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THE

WEEKLY WEATHER REPORT

OF THE

METEOROLOGICAL OFFICE

FOR THE YEAR

1900

(VOL. XVII.—THIRD SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE, FOR EACH WEEK,

WITH MONTHLY SUPPLEMENTS, AND FOUR APPENDICES.

Published by the Authority of the Meteorological Council.

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1901.

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ERRATA.

MONTHLY SUMMARIES.

March, p. xii.	Scarborough.—Temperature—Mean of minimum, 35°·0; of minimum and maximum combined, 39°·0; difference, — 2°·0.; absolute minimum temperature, 25° on 18th.
	Plymouth.—Rainfall—16 days; total amount, 2·43 ins.; difference, — 0·03 in.; date of maximum fall in one day is 18th.
April, p. xiv.	Edinburgh.—Sunshine—Total amount, 143·4 hours; difference from average, + 20·3 hours; percentage of possible duration, 34; difference, + 5.
	Eastbourne.—Sunshine—Total amount, 201·0 hours; difference from average, + 26·5 hours; percentage of possible duration, 49; difference from average, + 7.
p. xvi.	Stonyhurst.—Temperature—Mean of minimum, 38°·1; of minimum and maximum combined, 45°·1; difference, — 0°·2.
May, p. xx.	Shaftesbury.—Rainfall—12 days; total amount, 2·24 ins.; difference from average, + 0·11 in.
June, p. xxiv.	Markree Castle.—Rainfall—total amount, 5·24 ins.; difference from average, + 2·30 ins.
August, p. xxxii. ...	Durham.—Rainfall—15 days; total amount, 5·13 ins.; difference from average, + 2·29 ins.
September, p. xxxvi. ...	Hillington.—Temperature—Mean of minimum, 47°·5; of minimum and maximum combined, 57°·1; difference from mean, + 1°·1.
	Churchstoke.—Rainfall—10 days; total amount, 0·55 ins.; difference from average, — 2·09 ins.

PREFACE.

In the Weekly Weather Report for 1900 the general arrangement of the weekly Remarks and Tabular matter is unaltered, and will be found on the first and second pages of each Report. The Charts cover the same area as those for last year, viz.: nearly the whole of Europe and the greater part of the Mediterranean.

Monthly Summaries of the observations made at the stations included in the Daily and Weekly Weather Reports again appear as a Supplement.

Appendices I. and II. are published, as hitherto—the former with some slight modification since 1891, and, the year 1900 closing a fresh lustrum, Appendices III. and IV. are repeated, prepared from the values up to the close of the century.

The general arrangement of the Report is as follows :—

LIST OF DISTRICTS.

For the purposes of this Report the United Kingdom is divided into eleven Districts, which are shown on the accompanying map, distinguished by the numbers 0 to 10. The positions of the stations supplying information as to Temperature and Rainfall, and in some cases as to Bright Sunshine also, are marked on the map by black dots, and their names are given in the following list, arranged under the districts to which they belong :—

METEOROLOGICAL DISTRICTS.

0. SCOTLAND, N.—Sumburgh Head, Stornoway, Wick, Lairg, Glencarron, Fort Augustus, Fort William.
1. SCOTLAND, E.—Nairn, Aberdeen, Braemar, Ochtertyre, Leith, Marchmont.
2. ENGLAND, N.E.—Alnwick Castle, Durham, Shields, Scarborough, Spurn Head.
3. ENGLAND, E.—Hillington, Yarmouth, Geldeston, Cambridge, Felixstowe, Rothamsted.
4. MIDLAND COUNTIES.—Bawtry, Loughborough, Cheadle, Churchstoke, Hereford, Cirencester, Oxford.
5. ENGLAND, S.—London, Cranley, Swarraton, Dungeness, Hastings, Southampton, Portland Bill, Shaftesbury.
6. SCOTLAND, W.—Laudale (Loch Sunart), Glasgow, Glenlee, Douglas (Isle of Man).
7. ENGLAND, N.W.—Newton Reigny, Stonyhurst, Blackpool, Manchester (Prestwich), Liverpool Observatory (Bidston), Llandudno, Holyhead.
8. ENGLAND, S.W.—Llandovery, Pembroke, Clifton, Arlington, Cullompton, Falmouth, Plymouth.
9. IRELAND, N.—Malin Head, Londonderry, Edenfel (Omagh), Blacksod Point, Markree Castle, Armagh, Donaghadee.
10. IRELAND, S.—Dublin, Parsonstown, Kilkenny, Roche's Point, Valencia, Killarney, Foynes.

There are in addition two stations in the Channel Islands, viz., Scilly (St. Mary's), and Jersey (St. Aubin's), which cannot be conveniently placed in any of the Districts. Records from additional stations which supply Sunshine only, are given on the sixth page of each Report.

WEEKLY SUMMARY.

The Summary on the first page of each Report gives for each week and district the absolute *maximum* and *minimum* temperatures observed, the averages of both the daily extremes, the daily average, and its difference from the mean of the corresponding period, as derived from observations of the 25 years 1871-95, together with the values for "Accumulated" temperature above and below 42° F.

DAILY MEAN TEMPERATURE.

The daily mean Temperature shown in the Tables is calculated from the mean between the daily maxima and minima, due regard being had for the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich, and the self-registering Observatories of the Meteorological Council.

The approximate Mean Daily Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima :—

Months.	Coefficient.
January. December.	0·520
February. November.	0·500
March. October.	0·485
April. September.	0·476
May. August.	0·470
June. July.	0·465

Example :

	°
The mean maximum temperature for a week in December being	48·1
The mean minimum	39·3
The difference is	8·8

This difference 8·8 × ·520 (the coefficient for December) = 4·6.

This value when added to the mean minimum (39·3) gives 43°·9, the required mean daily temperature of the week.

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ACCUMULATED TEMPERATURE.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show for each week, and for the whole period from the commencement of the year, the weekly and progressive values, respectively, of the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standar', or *base temperature*. The base adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature of the day gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

RULES for computing, for a WEEKLY PERIOD, from the observed MAXIMA and MINIMA, the ACCUMULATED TEMPERATURE above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply :—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the co-efficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the co-efficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in Rules 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0·4 ; for 52° F., 0·33 ; for 62° F., 0·25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

RAINFALL.

The Summary on the first page of each Report gives for each week and each District the number of rainy days, and the total fall of rain, as well as the progressive values reckoned from the commencement of the year, and the difference between these amounts and the means for the corresponding week in the 30 years 1866–95.

BRIGHT SUNSHINE.

The Summary on the first page gives for each week and each District the numbers of hours of sunshine recorded, and the percentage of that time to the whole time during which the sun is above the horizon ; also the progressive values reckoned from the commencement of the year, together with the difference between them and the mean for the corresponding period in the 15 years 1881 to 1895.

SUPPLEMENT AND APPENDICES.

Supplement.—Consists of twelve Summaries of the results of the Observations made at the Stations included in the Daily and Weekly Weather Reports during each of the Calendar months. Each Summary is illustrated by a lithographed plate showing the distribution of Pressure, Air Temperature, and Rainfalls during the month, and the Prevalence of Wind from various quarters.

Appendix I.—This contains (1) Summaries for each Quarter and for the whole year, of the Temperature and Rainfall records for each District, from 1866 to 1900, and (2) Tables giving for each district the monthly values for Rainfall, Accumulated Temperature (above and below 42° F.), and Bright Sunshine, as well as the progressive values for each from the commencement of the year, in continuation of the values given in Appendix I. for last year.

Appendix II. gives for the year 1900, and for each District, the weekly and progressive numbers of Rainy days, the Amounts of Rainfall, and the values for Accumulated Temperature (above and below 42° F.), and Bright Sunshine, in continuation of the values for the year 1899 printed in Appendix II. to the Weekly Weather Report for last year.

Appendix III. showing for each District during the lustrum 1896–1900, and for the whole period comprehended in the 20 years 1881–1900—the weekly and progressive values for Rainfall, Accumulated Heat, and Bright Sunshine for each week, and for the whole period of 52 weeks—in continuation of that published in Appendix III. for 1895.

Appendix IV. showing in degrees Fahrenheit, for each District, during the lustrum 1896–1900, for each week, and for the whole period of 52 weeks, comprehended in the 20 years 1881–1900, the Average Temperature of the air.

Tables showing for each degree of Latitude from 49° N. to 58° N., and for each Weekly and Monthly period, the total numbers of hours during which the Sun is above the Horizon, together with their Reciprocals, are given in the Preface to Vol. I., Second Series.

REPORTS RECEIVED TOO LATE FOR INSERTION IN THEIR PROPER PLACES, IN ADDITION TO THOSE ALREADY PUBLISHED ON THE SIXTH PAGE OF SOME OF THE WEEKLY REPORTS.

Date of Report.	Names of Stations.	Temperature (in Degrees Fahrenheit).								Rainfall.			Bright Sunshine.			
		Highest Observed.	Lowest Observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Diff. of Daily Average from the Mean for the week.	Accumulated Heat for the week (in Day Degrees). Above 42° F.	Below 42° F.	No. of Rainy Days.	Rainfall in the Week.	Diff. from the Mean for the Week.	No. of Hours recorded.	Diff. from the Mean for the Week.	Per-centage of possible duration.	Diff. from the Mean for the Week.
Week ending Dec. 15 ..	Rhyl	..	..	..	..	..	..	..	..	..	..	..	14·6	?	28	?
„ „ „ 22 ..	Rhyl	..	..	..	..	..	..	..	..	..	..	..	17·4	?	34	?
„ „ „ „ ..	Tenby	..	..	..	..	..	..	..	..	..	..	..	5·2	− 4·9	10	− 10
„ „ „ 29 ..	Edinburgh ..	..	..	..	..	..	..	..	..	..	..	..	3·3	− 2·5	7	− 4
„ „ „ „ ..	Tenby	..	..	..	..	..	..	..	..	..	..	..	5·4	− 4·9	10	− 10

THE following is a LIST of the OBSERVERS who have furnished Information voluntarily for Publication in the WEEKLY WEATHER REPORT, 1900, together with the NAMES of their STATIONS and their ALTITUDE above the MEAN SEA LEVEL :—

Names of Stations.	Altitude above Mean Sea Level.	Names of Observers.	Remarks.
	Feet.		
Alnwick Castle -	210	Humphrey J. Willyams, for the Duke of Northumberland, K.G.	
Arlington (North Devon).	613	W. Stewart, for Lady Chichester.	
Armagh - -	196	J. L. E. Dreyer, Ph. D., and Staff of Observatory.	
Blackpool - - ℳ	62	A. J. Anderson, M.A., M.B.	
Bognor - -	—	H. C. C. Morris, M.D. - - -	Sunshine only.
Braemar - - $	1,111	J. A. Aitken, J.P.	
Brighton - -	65	A. Newsholme, M.D. - - -	Sunshine only.
Cheadle - - ℳ	646	J. C. Philips.	
Churchstoke - ℳ	538	P. Wright, F.C.S., F. R. Met. Soc.	
Cirencester - -	446	The Royal Agricultural College.	
Clifton - - -	230	D. Rintoul, M.A.	
Colwyn Bay -	?	R. E. Lord, M.D., B.Sc. - -	Sunshine only.
Cranley - - ℳ	232	Rev. G. C. Allen, M.A.	
Cullompton - - ℳ	202	R. Turner, F. R. Met. Soc.	
Deerness - -	160	M. Spence - - - - -	Sunshine only.
Douglas, Isle of Man.	137	A. W. Moore, M.A., J.P.	
Dublin (City) -	47	Sir J. W. Moore, M.D., F. R. Met. Soc.	
,, (Phœnix Park)	155	Major Sims, R.E., and Major Haynes, R.E.	Sunshine only.
Durham - -	336	H. J. Carpenter and Prof. R. A. Sampson, M.A.	
Eastbourne - -	39	R. Sheward, F. R. Met. Soc. -	Sunshine only.
Edenfel (Omagh)-	300	Col. Buchanan, F. R. Met. Soc.	
Edinburgh - -	253	R. C. Mossman, F. R. Met. Soc. -	Sunshine only.
Falmouth - -	167	Staff of Observatory.	
Felixstowe - -	76	Rev. J. G. Munday, M.A.	
Fort Augustus - $	68	Rev. M. Wall.	
Fort William - $	31	A. Rankin, for Directors of Observatory.	
Foynes - - -	108	W. Ward, for Lord Monteagle, K.P.	
Geldeston - -	37	E. T. Dowson, F. R. Met. Soc.	
Glasgow - -	180	Staff of Observatory.	
Glencarron - - $	489	D. D. Munro, for Lord Maclaren.	
Glenlee - - $	203	W. Melville, for Prince Smith.	
Guernsey - -	222	F. E. Carey, M.D., F. R. Met. Soc.	Sunshine only.
Hastings (St. Leonards)	178	H. Colborne, M.R.C.S.	
Hereford (Belmont). - ℳ	291	The Prior.	
Hesley Hall, Bawtry	65	B. I. Whitaker, F. R. Met. Soc.	
Hillington - - ℳ	88	Rev. H. E. B. Ffolkes, M.A., F. R. Met. Soc.	
Hollesley Bay -	38	Prof. C. J. Freer Thonger, F.C.S.	Sunshine only.
Kilkenny - -	212	H. Carlton, for the Marquis of Ormonde, K.P.	
Killarney - -	86	The Ven. Archdeacon Wynne.	
Lairg - - - $	335	D. Macrae, B.D.	
Laudale - -	14	A. Fletcher, for T. G. H. Newton, M.A., F. R. Met. Soc.	
Llandovery - -	217	J. Watkins, F. R. Met. Soc.	
Llandudno - - ℳ	72	J. Nicol, M.D., F. R. Met. Soc., and W. Little.	
Londonderry -	67	J. Conroy, F. R. Met. Soc.	
Lowestoft - -	84	S. H. Miller, F.R.A.S. - - -	Sunshine only.
Manchester (Oldham Rd.)	190	J. Niven, M.A., M.B. - - -	Sunshine only.
Marchmont - - $	498	J. A. Wood, for Sir H. P. Campbell, Bt.	
Margate - -	83	J. Stokes, F. R. Met. Soc. - -	Sunshine only.
Markree Castle -	122	J. W. Henkel, B.A., F.R.A.S., for Col. Cooper, F.R.A.S.	
Morpeth - -	324	G. P. Berry - - - - -	Sunshine only.
Newquay - -	250	J. Pearce - - - - -	Sunshine only.
Newcastle-on-Tyne.	152	W. H. Martin - - - -	Sunshine only.
Ochtertyre - $	329	G. Croucher, F. R. Met. Soc.	
Oswaldkirk - -	510	R. Thompson - - - -	Sunshine only.
Plymouth - -	116	H. Victor Prigg.	
Prestwich - -	320	T. R. H. Clunn, M.D., F. R. Met. Soc.	
Rothamsted - -	368	Sir J. B. Lawes, Bart., LL.D., F.R.S., Sir J. H. Gilbert, Ph. D., F.R.S., and T. Wilson, F. R. Met. Soc.	
Scarborough - ℳ	159	W. W. Larkin.	
Sheffield - -	429	H. Howarth - - - -	Sunshine only.
Southampton -	78	J. T. Cook, R.E., the Ordnance Survey Office.	
Southport - -	37	J. Baxendell, F. R. Met. Soc. -	Sunshine only.
Stonyhurst - -	375	Staff of Observatory.	
Strathpeffer Spa -	253	J. Tregelles Fox, M.D. - -	Sunshine only.
Shaftesbury - -	722	Miss L. H. Harris.	
Tenby - - -	79	R. J. Truscott - - - -	Sunshine only.
Thurcaston - -	253	Rev. T. A. Preston, M.A., F. R. Met. Soc.	Sunshine only.
Torquay - -	286	A. Chandler, F. R. Met. Soc. -	Sunshine only.
Ventnor Hospital	80	C. Lewis, M.B. - - - -	Sunshine only.
Watergate - -	236	R. Christy - - - - -	Sunshine only.
Westbourne - -	30	Rev. L. B. Birkett - - -	Sunshine only.
Worksop - -	56	H. Mellish, J.P., F. R. Met. Soc. -	Sunshine only.
Worthing - -	38	C. Kelly, M.D. - - - -	Sunshine only.
York - -	105	H. Richardson. - - - -	Sunshine only.

Stations marked "ℳ" report through the Royal Meteorological Society ; those marked "$" through the Scottish Meteorological Society.

NOTE.—In cases where "Sunshine only" is received the altitudes quoted were those of the Recorders, not of the ground ; in cases where all the values are given the altitudes are those of the surface of the ground where the rain-gauge is placed.

SUPPLIED FOR THE PUBLIC SERVICE

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No. 1.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 6TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 2.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	45	30	41·2	34·7	38·1	0 (average)	0	− 5	27	−15	0	− 5	27	−15
	1. SCOTLAND, EAST	48	27	39·8	33·0	36·5	0 (average)	0	− 6	39	− 4	0	− 6	39	− 4
	2. ENGLAND, N.E.	45	29	42·2	34·9	38·7	1 above	1	− 5	26	−13	1	− 5	26	−13
	3. ENGLAND, EAST	52	27	44·2	35·1	39·8	3 above	6	− 1	27	−18	6	− 1	27	−18
	4. MIDLAND COUNTIES	51	27	42·6	34·0	38·5	1 above	2	− 6	30	−15	2	− 6	30	−15
	5. ENGLAND, SOUTH	52	26	46·6	37·1	42·1	3 above	21	+10	14	−23	21	+10	14	−23
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	47	26	41·7	35·0	38·5	0 (average)	0	− 9	25	− 6	0	− 9	25	− 6
	7. ENGLAND, N.W.	48	29	42·5	35·6	39·2	0 (average)	1	− 7	24	− 9	1	− 7	24	− 9
	8. ENGLAND, S.W.	53	26	47·0	36·8	42·1	1 above	23	+ 9	15	−12	23	+ 9	15	−12
	9. IRELAND, NORTH	49	24	43·2	35·0	39·3	1 below	3	− 8	27	− 1	3	− 8	27	− 1
	10. IRELAND, SOUTH	50	24	45·9	33·2	39·8	2 below	11	− 6	35	+12	11	− 6	35	+12
	—CHANNEL ISLANDS	54	34	50·3	42·1	46·4	2 above	31	+ 8	0	−11	31	+ 8	0	−11

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 2.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	3 less	5	0	1·0	− 0·3	1	− 4	1	−10	1	− 4	1	−10
	1. SCOTLAND, EAST	6	20	13 more	6	+ 3	2·0	+ 1·3	2	− 5	3	−13	2	− 5	3	−13
	2. ENGLAND, N.E.	6	15	11 more	6	+ 2	1·5	+ 1·1	6	− 2	12	− 3	6	− 2	12	− 3
	3. ENGLAND, EAST	6	12	7 more	6	+ 2	1·2	+ 0·7	12	+ 2	22	+ 2	12	+ 2	22	+ 2
	4. MIDLAND COUNTIES	5	20	14 more	5	+ 2	2·0	+ 1·4	4	− 5	8	−10	4	− 5	8	−10
	5. ENGLAND, SOUTH	5	14	8 more	5	+ 2	1·4	+ 0·8	10	− 1	18	− 2	10	− 1	18	− 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	17	4 more	5	+ 1	1·7	+ 0·4	5	− 3	10	− 5	5	− 3	10	− 5
	7. ENGLAND, N.W.	4	12	5 more	4	0	1·2	+ 0·5	6	− 3	12	− 3	6	− 3	12	− 3
	8. ENGLAND, S.W.	6	20	11 more	6	+ 2	2·0	+ 1·1	17	+ 5	31	+10	17	+ 5	31	+10
	9. IRELAND, NORTH	6	12	4 more	6	+ 2	1·2	+ 0·4	12	+ 2	23	+ 4	12	+ 2	23	+ 4
	10. IRELAND, SOUTH	6	18	9 more	6	+ 2	1·8	+ 0·9	9	− 3	17	− 6	9	− 3	17	− 6
	— CHANNEL ISLANDS	7	27	19 more	7	+ 2	2·7	+ 1·9	14	+ 1	25	+ 2	14	+ 1	25	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week was very unsettled, with frequent and heavy falls of rain in nearly all parts of the Kingdom, and occasional snow or sleet in the north.

Temperature was a little above the mean in most of the English districts, just equal to it in Scotland, and slightly below the normal in Ireland. The highest of the maxima occurred as a rule, either on the 1st or 2nd, and varied from 54° in the Channel Islands, 53° in England S.W., and 52° in England S., and E., to 45° in Scotland N. and England N.E. The lowest of the minima were registered towards the end of the week, and ranged from 24° in Ireland, and 26° in England S. and S.W. and Scotland W., to 30° in Scotland N. and 34° in the Channel Islands.

Rainfall was rather less than the mean in Scotland N., but considerably more in all other parts of the Kingdom; in the north-eastern, central and south-western parts of Great Britain the excess was very large.

Bright Sunshine was deficient in most districts, but in excess in Ireland N., England S.W. and E. and the Channel Islands. The percentage of the possible duration ranged from 31 in England S.W., 25 in the Channel Islands, 23 in Ireland N. and 22 in England E., to 8 in the Midland Counties, 3 in Scotland E., and 1 in Scotland N.

Barometer and Wind.—During the whole of this period depressions have approached and spread over different parts of our Islands from the Atlantic, causing freshening winds from between South-East and South-West as they advanced, and Westerly to Northerly winds as they disappeared. The system which mostly affected the weather over the United Kingdom travelled very slowly over the southern half of Ireland and England during the earlier half of the week, and during its progress a North-Easterly gale was experienced on the north-east coast of Scotland. At the end of the period a "V"-shaped disturbance was passing over us, accompanied by Southerly winds in all the eastern districts, and Westerly and North-Westerly winds in the west.

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II.—DATA from which the SUMMARY on page 1 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	44	33	42·3	35·4	39·0	− 0·1	1	24	4	0·81	− 0·10	*	*	*	*
	Stornoway	44	33	42·0	35·4	38·8	+ 0·1	0	22	7	0·71	− 0·51	0·9	− 5·2	2	−12
	Wick	45	30	43·6	35·1	39·5	+ 1·9	4	26	6	0·87	+ 0·27	*	*	*	*
	Lairg S	40	30	38·3	32·8	35·7	− 0·5	0	44	4	0·86	+ 0·02	*	*	*	*
	Glencarron S	42	31	39·8	33·4	36·7	− 0·5	0	37	5	1·98	− 0·28	*	*	*	*
	Fort Augustus S	42	32	40·8	35·1	38·1	− 0·1	0	27	7	0·87	− 0·21	0·0	− 3·1	0	− 7
	Fort William S	44	32	41·4	36·0	38·8	+ 0·1	0	22	5	1·06	− 1·08	0·1	− 4·3	0	− 9
1. SCOTLAND E.	Nairn	43	32	41·1	33·6	37·5	+ 0·2	0	32	6	1·91	+ 1·46	*	*	*	*
	Aberdeen	44	34	40·9	35·4	38·3	+ 1·0	0	26	6	2·39	+ 1·79	1·9	− 8·4	4	−18
	Braemar S	38	27	36·1	31·1	33·7	− 0·5	0	58	7	1·48	+ 0·78	0·0†	− 4·6†	0†	−10†
	Ochtertyre S	41	29	39·0	31·6	35·5	− 0·7	0	46	5	2·41	+ 1·36	*	*	*	*
	Leith	?48	29	42·4	34·4	38·6	− 0·4	1	28	4	1·26	+ 0·86	*	*	*	*
	Marchmont S	42	29	39·0	32·0	35·6	− 0·5	0	45	7	2·24	+ 1·63	3·0	− 5·4	6	−12
2. ENGLAND, N.E.	Alnwick Castle	44	29	41·1	33·8	37·6	+ 0·1	0	31	5	2·07	+ 1·51	*	*	*	*
	Durham	44	30	? 40·7	? 33·1	? 37·1	?+ 0·4	? 0	? 34	6	0·94	+ 0·42	6·9	− 3·1	14	− 5
	Shields	45	32	42·9	35·9	39·5	+ 1·4	3	23	5	1·60	+ 1·17	*	*	*	*
	Scarborough M															
	Spurn Head	45	35	43·9	36·7	40·4	+ 2·3	5	21	6	1·55	+ 1·18	*	*	*	*
3. ENGLAND, E.	Hillington M	50	30	43·8	35·2	39·7	+ 3·3	5	26	6	2·20	+ 1·71	9·1	− 0·6	17	− 1
	Yarmouth	48	31	43·1	36·3	39·8	+ 2·5	3	21	7	0·52	+ 0·02	*	*	*	*
	Geldeston	50	27	44·9	34·3	39·8	+ 1·9	8	30	7	0·35	− 0·05	14·3	+ 3·0	26	+ 5
	Cambridge	52	29	44·5	33·6	39·3	+ 2·3	7	33	5	1·25	+ 0·90	7·6	− 2·2	14	− 7
	Felixstowe	47	33	44·6	37·8	41·3	+ 3·1	7	17	6	0·79	?	13·8†	?	26†	?
	Rothamsted	51	29	44·5	33·1	39·0	+ 2·0	7	34	6	2·03	+ 1·48	7·5	− 2·3	14	− 5
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	44	30	41·0	33·0	37·2	+ 0·2	0	34	7	1·73	+ 1·32	*	*	*	*
	Loughborough	50	29	42·7	33·9	38·5	+ 1·3	2	30	4	2 34	+ 1·88	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle M	46	30	39·8	33·3	36·7	+ 0·3	0	37	5	2·23	+ 1·58	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	49	32	41·3	34·6	38·1	+ 1·6	0	27	4	2.28	?	*	*	*	*
	Churchstoke M												4·4	− 5·0	8	−10
	Hereford (Belmont) M	49	31	43·6	34·9	39·4	+ 1·2	4	27	5	2·20	+ 1·66	*	*	*	*
	Cirencester	51	27	45·1	33·0	39·3	+ 2·1	9	35	4	1·60	+ 0·95	8·9	− 2·7	17	− 4
	Oxford	50	30	44·7	35·3	40·2	+ 2·2	8	27	6	1·45	+ 0·98	5·9	− 4·8	11	− 8
5. ENGLAND, S.	London	52	28	46·9	36·3	41·8	+ 3·0	21	25	5	0·87	+ 0·40	4·8†	− 0·7†	9†	− 1†
	Cranley M	51	27	45·5	36·7	41·3	+ 2·5	10	22	5	1·70	+ 1·14	*	*	*	*
	Dungeness	52	26	48·3	38·0	43·4	+ 4·3	27	11	5	0·55	− 0·01	*	*	*	*
	Hastings (St. Leonards)	51	32	47·0	38·7	43·0	+ 3·4	21	9	7	1·08	+ 0·46	14·1	+ 0·6	26	+ 1
	Southampton	52	27	46·8	36·5	41·9	+ 2·4	13	24	5	1·94	+ 1·23	7·5	− 3·7	14	− 7
	Portland Bill	51	32	47·4	39·3	43·5	+ 2·4	22	8	4	1·68	?	*	*	*	*
	Shaftesbury M	49	28	44·6	34·4	39·7	+ 3·1	7	30	7	1·75	+ 1·05	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	45	29	42·0	35·9	39·1	− 0·5	0	20	5	2·25	+ 0·25	*	*	*	*
	Glasgow	42	30	40·3	35·3	37·9	− 0·2	0	29	4	1·16	+ 0·31	2·0	− 2·8	4	− 6
	Glenlee S	43	26	40·6	33·5	37·2	0·0	0	34	4	1·98	+ 0·40	*	*	*	*
	Douglas (Isle of Man)	47	32	43·9	35·2	39·7	− 0·9	5	26	6	1·56	+ 0·56	7·7	− 2·6	15	− 5
7. ENGLAND, N.W.	Newton Reigny	42	29	40·1	33·0	36·7	+ 0·7	0	37	2	0·52	?	5·4	?	11	?
	Stonyhurst	44	33	40·8	35·3	38·2	+ 0·8	0	27	4	1·22	+ 0·27	5·4	− 2·9	11	− 4
	Blackpool M	47	33	43·5	36·3	40·0	+ 1·9	4	22	6	1·36	+ 0·71	5·8	− 2·6	11	− 4
	Manchester (Prestwich)	48	30	42·9	35·0	39·1	+ 1·7	3	26	4	1·42	+ 0·67	2·0	?	4	?
	Liverpool Obsy. (Bidston)	46	33	42·0	35·0	38·6	− 0·5	0	24	4	1·93	+ 1·43	*	*	*	*
	Llandudno M	47	34	43·7	37·3	40·6	− 0·5	5	18	5	1·07	+ 0·44	7·4	− 1·5	14	− 2
	Holyhead	48	34	44·6	37·1	41·0	− 1·3	7	20	6	1·11	+ 0·33		*	*	*
8. ENGLAND, S.W.	Llandovery	51	26	45·9	31·7	39·1	+ 0·9	11	41	5	1·07	− 0·10	*	*	*	*
	Pembroke	50	35	47·9	38·9	43 6	+ 0·7	24	9	6	1·70	+ 0·85	12·3	+ 1·0	23	+ 3
	Clifton	50	30	44·8	36·5	40·8	+ 1·5	8	22	6	2·32	+ 1·59	*	*	*	*
	Arlington (N. Devon)												*	*	*	*
	Cullompton M	52	27	46·7	35·9	41·5	+ 2·3	13	26	5	2·03	+ 1·25	9·4	− 0·4	17	0
	Falmouth	52	34	48·0	39·5	43·9	+ 0·3	24	7	6	2·59	+ 1·40	24·8	+12·8	44	+22
	Plymouth	53	28	48·5	38·2	43·6	+ 2·3	27	11	6	2·34	+ 1 50	14·8	+ 3·9	26	+ 7
9. IRELAND, N.	Malin Head	44	30	42·7	37·9	40·4	− 0·7	2	16	6	0·46	?	*	*	*	*
	Londonderry	45	30	42·5	34·3	38·6	− 1·2	1	29	6	1·09	+ 0·21	*	*	*	*
	Edenfel (Omagh)	49	24	42·4	32·7	37·7	+ 0·3	1	34	4	1·08	+ 0·30	*	*	*	*
	Blacksod Point	48	33	44·7	38·0	41·5	− 1·0	8	17	7	1·43	?	*	*	*	*
	Markree Castle	46	25	42·7	31·7	37·4	− 1·8	2	38	5	1·58	+ 0·68	10·7	+ 2·5	21	+ 5
	Armagh	46	26	42·5	33·1	38·0	− 0·4	1	33	5	1·18	+ 0·52	12·2	+ 2·6	24	+ 5
	Donaghadee	47	33	45·1	37·1	41·3	− 1·0	9	21	6	1·45	+ 0·82	*	*	*	*
10. IRELAND, S.	Dublin	50	32	45·0	36·0	40·7	− 0·5	8	25	7	0·80	+ 0·30	8·8	− 4·3	17	− 8
	Parsonstown	48	24	44·6	30·0	37·6	− 1·9	7	46	6	2·10	+ 1·42	10·9	− 0·1	21	0
	Kilkenny	49	24	45 7	30·9	38·6	− 2·1	10	44	6	2·84	+ 2·10	*	*	*	*
	Roche's Point	50	33	48·1	36·4	42·5	− 0·8	27	16	5	2·46	+ 1·29	*	*	*	*
	Valencia	50	29	47·1	34·1	40·9	− 4·1	14	33	5	1·94	+ 0·53	6·4	− 5·8	12	−10
	Killarney												*	*	*	*
	Foynes	50	27	44·7	32·0	38·6	− 2·6	8	39	5	1·59	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	40	51·7	42·7	47·4	+ 1·3	38	0	7	4·15	+ 3·33	16·0	?	29	?
	Jersey	52	34	48·9	41·4	45·3	+ 2·7	26	2	7	1·21	+ 0·45	12·0	− 2·8	21	− 6

Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

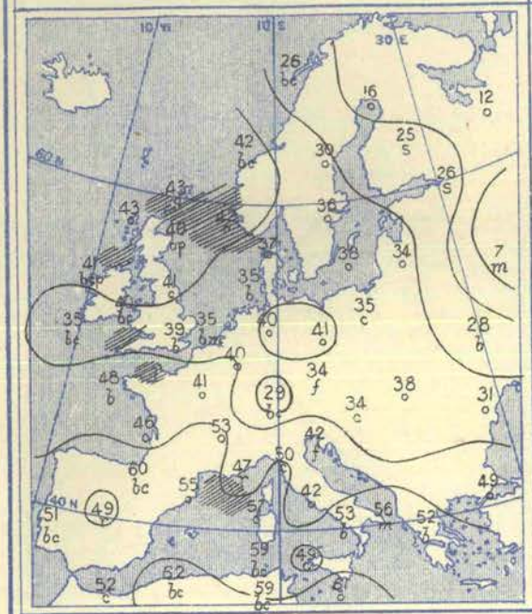
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

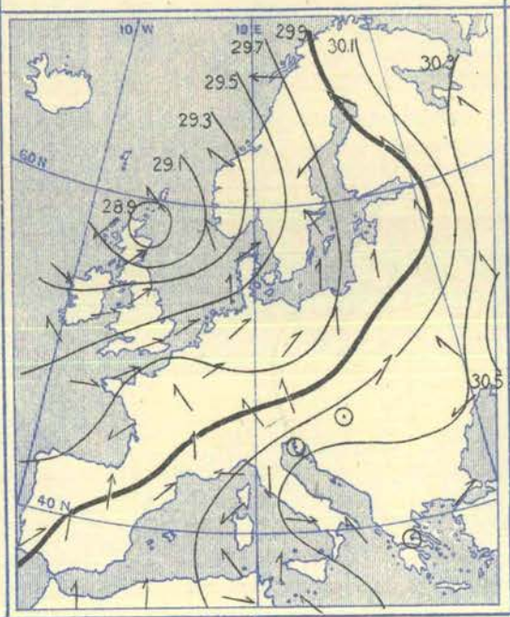
Note.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 31st December.

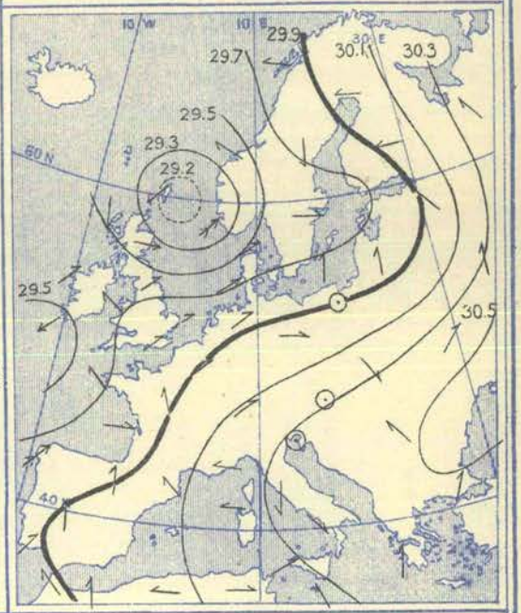
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and quiet over Russia, south-eastern, central and southern Europe, but dull in most places; very variable over the north-western and western countries, but fine and bright over England. Some rain in most parts of our Islands later, most in the south of Ireland; a large quantity at Belfort and also at Kuopio, lightning at Jersey, but continuing very bright in the south-east of England, foggy in the north of England.

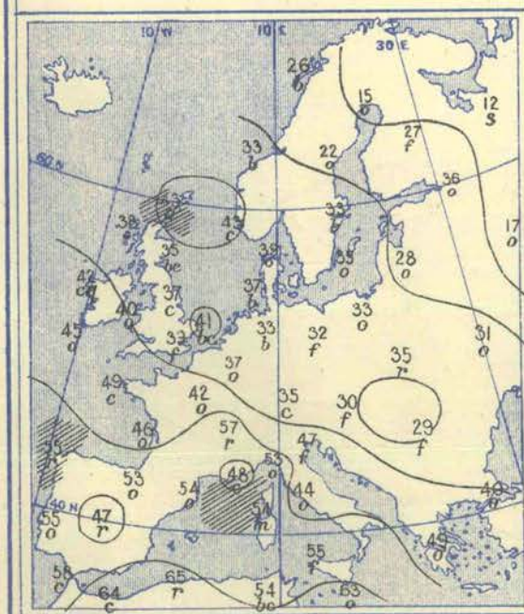
Temperature fallen over England and the northern half of France. Morning readings highest, 62° at Algiers, 61° at Malta, 60° at Biarritz; 48° at Brest, 46° at Jersey; 43° at Stornoway, 41° at Blacksod Point. Lowest, (1) 7° at Moscow and Kharkov, 12° at Archangel, 26° at St. Petersburg, 28° at Kieff; (2) 29° at Munich, 34° at Prague, and below 40° almost all over our Islands. Rising later to 50° or more on the south coast of our Islands, to between 55° and 58° over France generally, to 66° at Biarritz, and to 73° at Algiers; only just exceeding 42° to 44° at our own northern stations.

Wind (1) light to moderate and variable in the eastern and southern parts of Europe, but very variable over the north and west of the British Isles, West-South-West over England Still changing in the west and north later—becoming strong from North at Stornoway, fresh from between South-East and North-East in the south of Ireland.

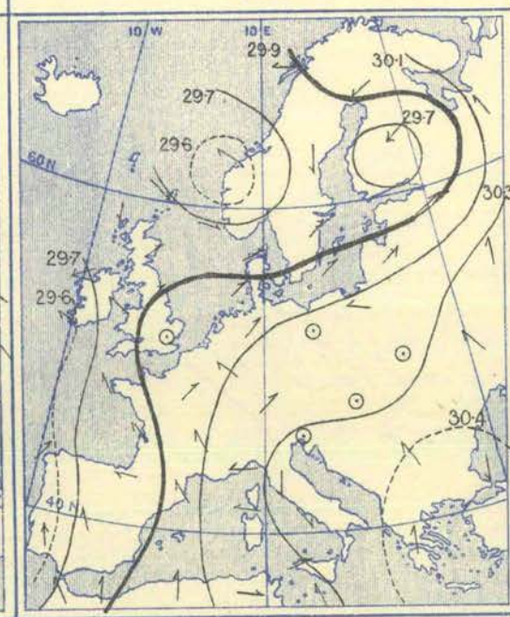
Barometer in morning 30·5 ins. to 30·2 ins. over eastern and southern Europe, and exceeding 30·0 ins. even over the east of Spain. Lowest, 28·8 ins. and less in a depression over the north-east of Scotland and 29·6 ins. to 29·4 ins. off our south-west coasts and over the Bay of Biscay. Rising later at our northern and eastern stations, but a new shallow disturbance advancing to our south-west coasts.

Monday, 1st January.

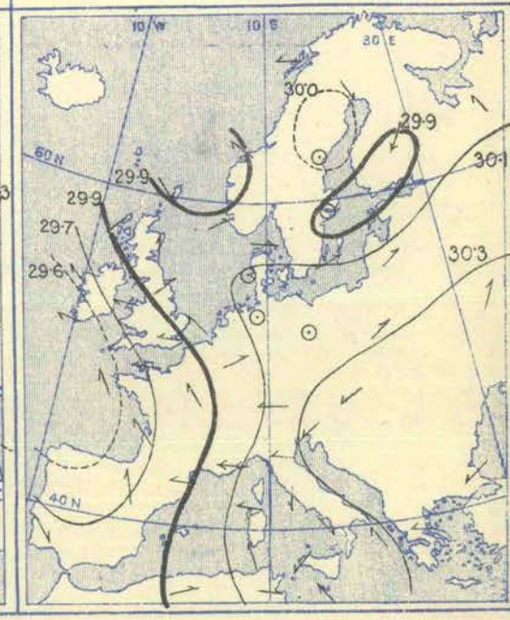
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and quiet over all the central and eastern parts of Europe, dull, changeable and unsettled in the north-west (excepting on the Norwegian coast) with rain and fog in several localities. Rain later over the British Isles, France, and the North Sea (amounts large in the south of Ireland, at Scilly and in the north of England), fog continuing very prevalent at our north-eastern stations.

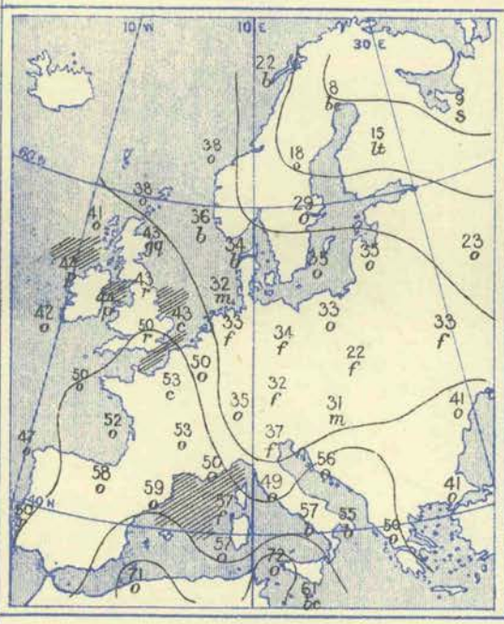
Temperature risen fast in Ireland, fallen in Scotland. Morning readings highest, 65° at Algiers, 63° at Malta, 55° at Corunna, 53° at Biarritz, 50° to 45° in the south of Ireland, 49° at Brest, 45° at Dungeness. Lowest, (1) 12° Fahr. at Archangel, 15° at Haparanda, 22° at Hernösand, 28° at Riga; (2) 9° Fahr. at Kharkov, 17° at Moscow; (3) 28° to 35° over central Europe; (4) 31° at Loughborough, 33° at Leith and Oxford. Rising later to above 50° in the south-west of Great Britain and at Roche's Point, to 55° at Rochefort, 59° at Lyons, and 66° at Biarritz.

Wind (1) very light and variable all over eastern and southern Europe; (2) cyclonic "Swirls" noticed in the north and north-west, one of strong winds having its centre over Finland, a second (of moderate winds) off the west of Norway, and a third apparently off the south-west of Ireland and the west of the Bay of Biscay. The latter system spreading eastwards later, and the former undergoing slight modifications.

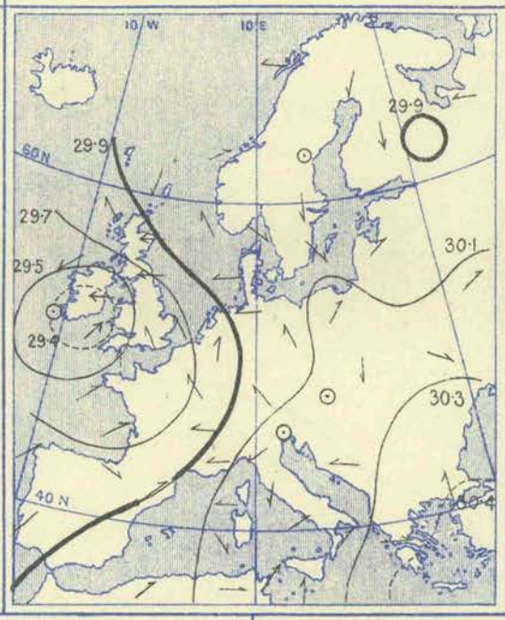
Barometer highest, 30·4 ins. and more over the Balkan Peninsula and Asia Minor, and exceeding 30·0 ins. all over eastern and central Europe. Lowest, (1) 29·7 ins. and less over Finland; (2) 29·6 ins. and less in a depression over the west of Norway, and also in some large low-pressure area lying over the Atlantic to the south-westward of Ireland and westward of Portugal. Falling later over Ireland and the Bay of Biscay

Tuesday, 2nd January.

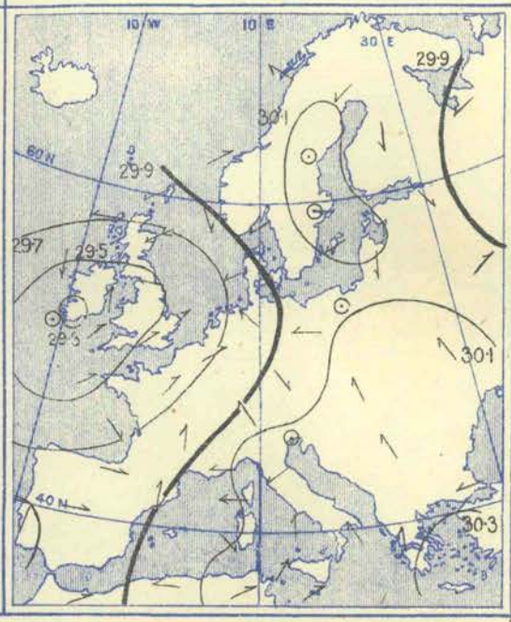
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over northern Europe (clear in places), dull over the more southern countries; foggy over central Europe; rainy over Ireland, England and many parts of France. Rain later in all parts of our Islands and France, heavy at Aberdeen and Biarritz; remaining fair over northern Europe.

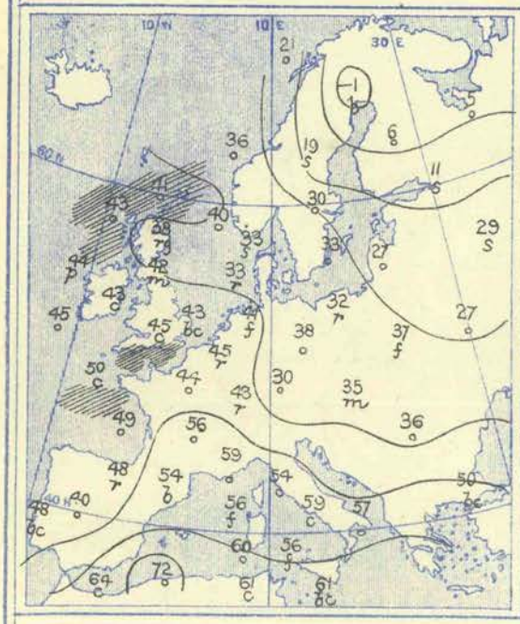
Temperature high over western Europe for time of year. Highest, 59° to 57° in the south-west of France, 53° at Paris, 50° in London. Lowest, (1) 8° at Haparanda, 9° at Archangel, 22° at Bodo, 23° at Moscow, 33° at Warsaw; (2) 44° to 42° over Ireland. Exceeding 50° over all the southern parts of England and Wales during the day, and touching 55° at Rochefort, 64° at Lyons, and 71° at Perpignan.

Wind (1) very light and variable (but mainly Northerly) over all the northern and eastern countries of Europe; (2) Easterly, strong over the northern parts of our Islands; Southerly, moderate over the southern parts of England; South-Westerly over France. Rising to a gale in the east of Scotland later and veering to South-West temporarily over England.

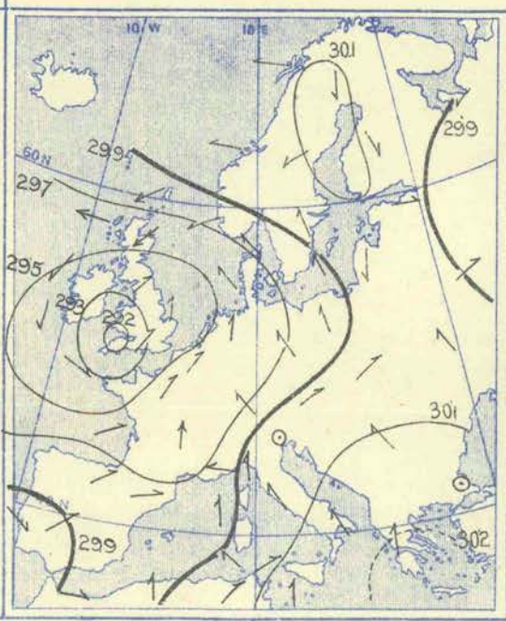
Barometer highest, 30·4 ins. to 30·2 ins. over south-eastern Europe; exceeding 30·0 ins. over the Scandinavian Peninsula and the greater part of the Mediterranean. Lowest, (1) 29·4 ins. and less in a depression over the south of Ireland and St. George's Channel; (2) 29·9 ins. and less in another over Finland and the north of Russia. Depression in our Islands becoming deeper later and moving east-south-east.

Wednesday, 3rd January.

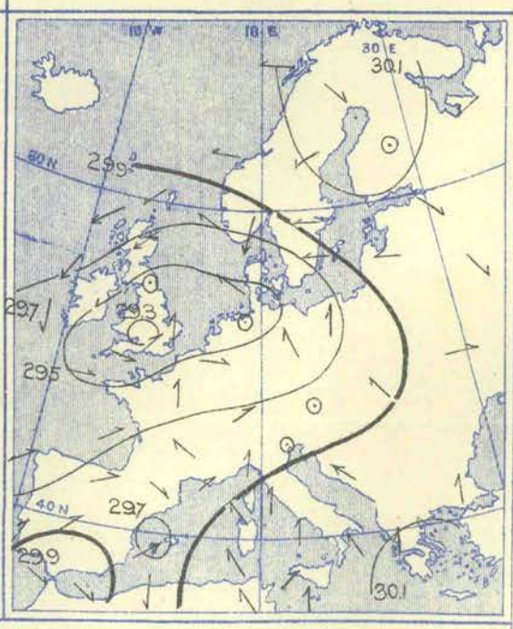
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the Spanish Peninsula, several parts of England and in some parts of northern Europe; dull and unsettled as a whole, and changeable; rain at times on our northern, western and southern coasts, and in France. Rain later in all parts of the Kingdom (heavy in the east of Scotland); hail at Wick.

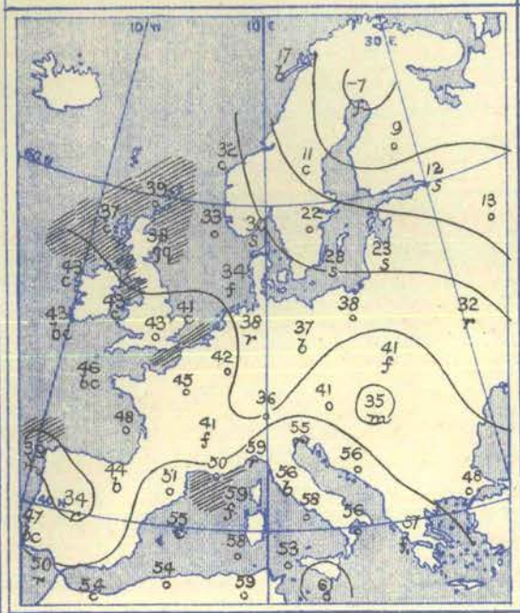
Temperature in morning highest, 72° at Algiers, 61° at Malta, 56° at Toulon; 50° on the coasts of Brittany, 45° both at Valencia and in London. Lowest, (1) −1° Fahr. at Haparanda, +5° at Archangel, 11° at St. Petersburg, 27° at Riga; (2) 37° to 32° over central Europe; (3) 38° at Aberdeen and at Loughborough, 39° at Nairn. Exceeding 40° all over our Islands later, and touching 52° at Jersey and in the west of France, 54° at Biarritz.

Wind (1) Easterly, moderate in Norway; Easterly to North-Easterly, a gale, in Scotland Northerly, fresh to moderate in Ireland; (2) Westerly to Southerly over France; Southerly over England (very strong in the Channel); South-South-Easterly, moderate over the Baltic and southern parts of the North Sea. South-Easterly to Southerly over the Mediterranean. Gale in north-east of Scotland continuing all day.

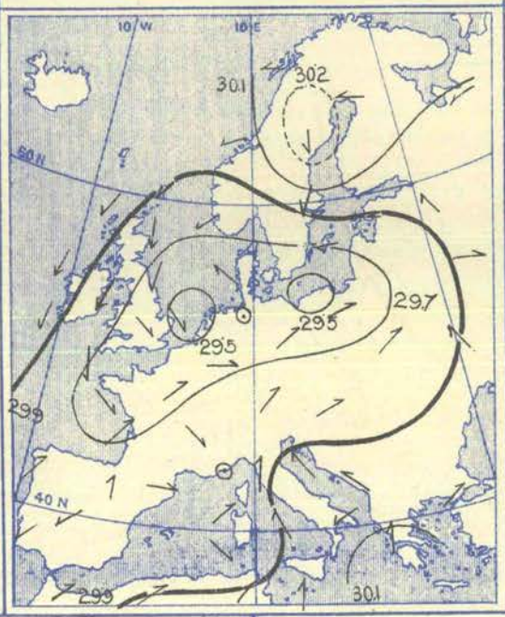
Barometer (1) 30·1 ins. and more to 30·0 ins. over the Gulf of Bothnia, the northern parts of Scandinavia and the west of Russia; (2) 30·0 ins. to 29·8 ins. over nearly the whole of the Iberian Peninsula; (3) exceeding 30·2 ins. in Greece. Lowest, 29·2 ins. and less in a depression lying over Devonshire and Wales. Latter disturbance moving eastwards later, and barometer rising fast on our west and north-west coasts.

Thursday, 4th January.

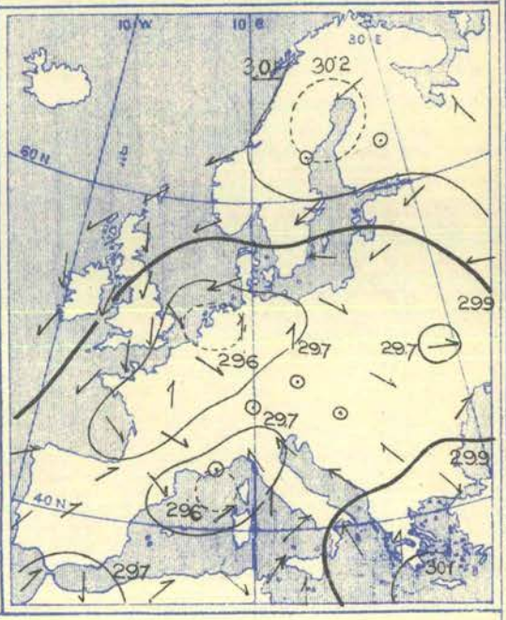
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in Finmark, Ireland, and several parts of south-eastern Europe, dull and unsettled elsewhere, with snow at Nairn. Rain at many stations, fog in Austria. Showers later at our northern stations, over the Baltic and Germany—fine in Ireland and Wales.

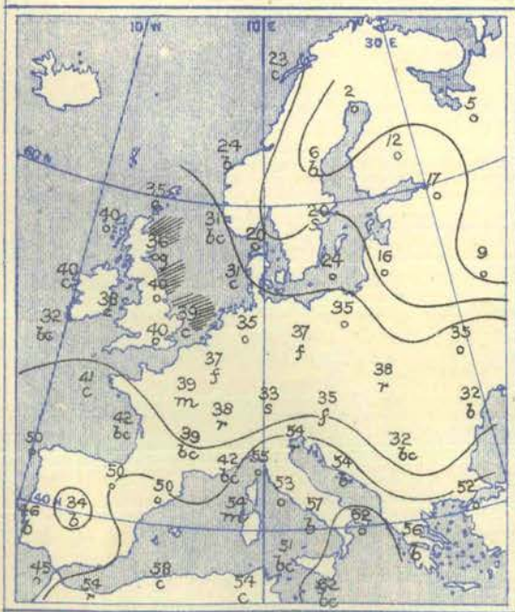
Temperature highest, 61° at Malta, 59° at La Calle, 54° at Algiers, 55° at Trieste; 46° at Brest, 44° at Jersey, 43° at Valencia (Ireland). Lowest, (1) −7° Fahr. at Uleaborg, −6° at Archangel, +12° at St. Petersburg, 13° at Moscow; (2) 27° at Kharkov, 28° at Warsaw, 35° to 41° over central Europe; (3) 34° at Parsonstown, 37° at Nairn, 39° at Shields and Loughborough. Rising later to between 40° and 46° over the British Isles, to 52° at Rochefort and Biarritz, and 54° at Nice; very cold over central Ireland at night.

Wind (1) Easterly to Northerly over northern Europe and Northerly over nearly the whole of the British Isles (a gale at Wisby and strong in some parts of our Islands). (2) South-Westerly to North-Westerly over the western and the central countries, South-Easterly in the south of Russia and Italy, Southerly in Algiers. No great change later, but Northerly wind falling calm on our north-west coast.

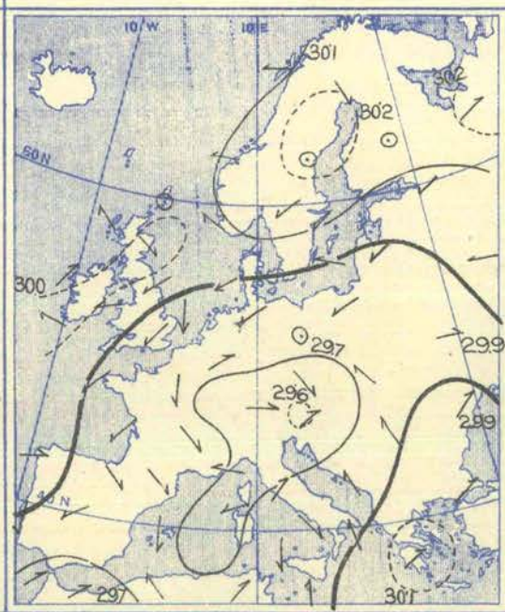
Barometer highest, (1) 30·2 ins. and more to 30·0 ins. in an anticyclone over northern Europe; (2) 30·1 ins. and more over Greece; (3) 30·5 ins. and more in the Azores. Lowest, 29·5 ins. and less in a depression lying over Holland and the southern parts of the North Sea. Rising quickly later over Great Britain and France, but becoming steady in Ireland.

Friday, 5th January.

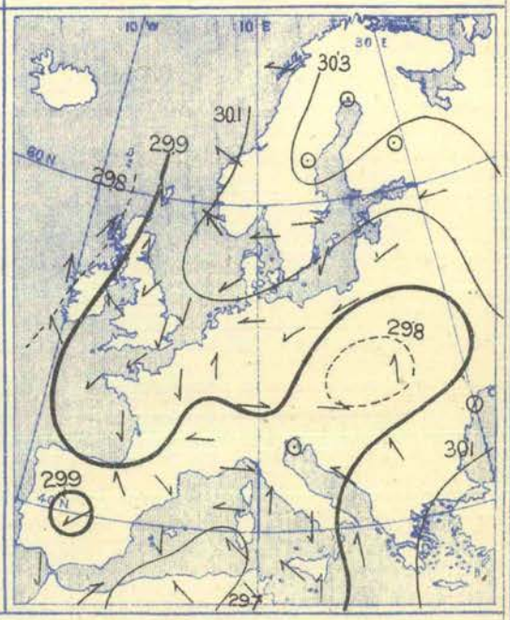
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and very changeable in most places—rainy over central Europe, clearing temporarily in the west of our Islands. Snow falling in Sweden. Much rain falling in Ireland later, and smaller quantities in some parts of Scotland and Wales. Sporadic falls over Algiers, Spain and various parts of the Continent of Europe.

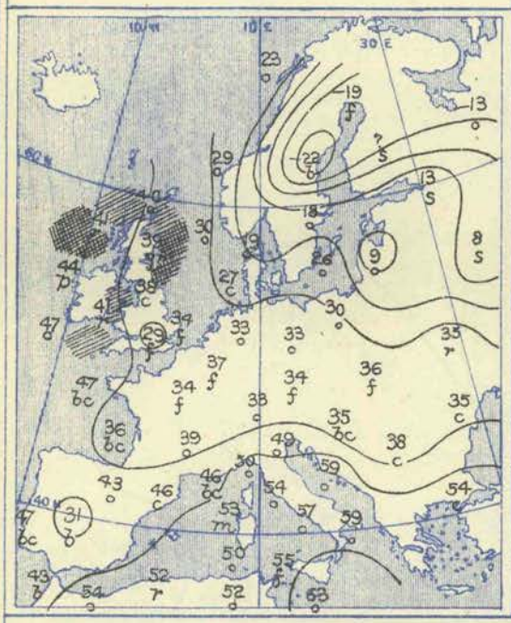
Temperature fallen over western Europe generally, risen over Russia. Morning readings highest, (1) 62° at Malta and Brindisi, 54° to 50° over all but the northern parts of the Mediterranean; to 50° at Corunna and Biarritz, 42° at Jersey and Cape Gris-nez. Lowest, (1) 6° at Hernösand, 2° at Uleaborg, +5° at Archangel, 9° at Moscow; 33° to 38° over central Europe; (2) 25° at Parsonstown, 35° at Wick, Liverpool, and Loughborough, 37° at Oxford. Rising later to 50° in the south of Ireland and to between 40° and 45° over England as a whole to 61° at Nice, 63° at Algiers, and 70° at Palermo.

Wind Easterly to North-Easterly over the Baltic and northern Europe, Northerly over the Bay of Biscay, very variable elsewhere. Mainly North-Easterly on our western coasts, but back to Southerly again in the north-west of Ireland, freshening later from South all over Ireland and Scotland and from South-East in the south-west of Norway.

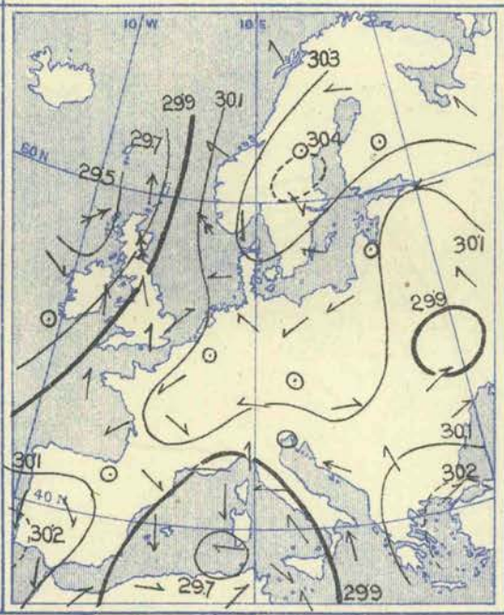
Barometer highest, (1) 30·2 ins. and more to 30·0 ins. over the north of Russia and the greater part of Scandinavia; (2) 30·1 ins. and more to 30·0 ins. over Greece, Turkey in Europe and Asia Minor. Lowest, 29·6 ins. and less to 29·7 ins. in a complex depression covering Corsica and a large portion of Central Europe. A new and complex disturbance reaching our western and north-western shores later, but barometer rising a little at our eastern stations and over central Europe.

Saturday, 6th January.

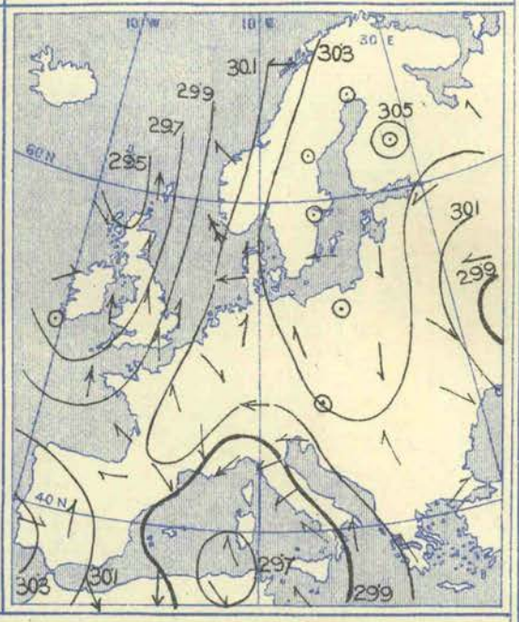
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair, but foggy, as a whole over northern, fair over south-eastern Europe; very changeable and unsettled over the western and central countries, with rain and snow in many places. Rain later in all parts of our Islands (more than an inch at Loughborough and Liverpool, and 0·86 in. at Pembroke). Considerable quantities in various parts of France, but apparently none over Germany. Fog at Cape Gris-nez.

Temperature highest, (1) 63° at Malta, 52° at Algiers, 53° at Sanguinaire, 50° at Roches Point, 47° at Brest and Valencia, 41° at Holyhead, Malin Head, and Stornoway. Lowest, −22° Fahr. at Hernosand, −19° at Haparanda, −13° at Archangel, −1° at Karlstad, +8° at Moscow, 9° at Riga, 28° to 37° over central Europe, 29° to 34° over central England. Rising to 50° in the south-west of England later, to 43° in London and at Nairn, but falling considerably over England at night.

Wind (1) light and anticyclonic over the Continent—mainly North-Easterly to Easterly; (2) a strong Southerly wind over Ireland and Scotland, and light South-Easterly to Southerly over England, but North-Westerly light to calm in the west of Ireland. Blowing hard from the Southward in many parts of England at night, but falling light from North-West later.

Barometer highest, (1) 30·4 ins. at Hernosand, and exceeding 30·1 ins. all over northern and the greater part of central Europe; (2) 30·3 ins. and more to 30·1 ins. over Asia Minor and south-eastern Europe; (3) 30·2 ins. and more to 30·1 ins. over the south-western and central parts of the Spanish Peninsula. Lowest, 29·5 ins. and less in a depression off the north-west of Scotland, and 29·55 to 29·65 ins. in a "V" over the west of Ireland. Latter system moving eastwards later, and causing rain in London at night.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was highest (30·4 ins. to 30·2 ins.) over the eastern and southern districts of Europe, lowest (29·6 ins. and less) in the west and north-west, and in those regions depressions continued to appear from time to time and to pass across, or near to, the British Islands, causing frequent rain, sometimes snow, and very variable temperature. On Tuesday (2nd) a depression came directly over our south-western districts, and moving eastwards very slowly reached our east-midland counties on Wednesday evening, and Holland by the next morning.

Pressure was then becoming highest over northern Scandinavia, but had given way greatly over south-eastern Europe, and for a time it seemed as though cold anticyclonic conditions were likely to remain with us, but during the remainder of the week cyclones of moderate intensity continued to move north-eastward over or outside our northern and north-western districts while their "V"-shaped secondaries moved more directly over Ireland and England and frequent alternations of temperature, and of clear weather or fog, with occasional rain, were the main characteristics observable.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 2.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	0·3	?	1	?	BRIGHTON	12·4	+ 0·9	23	+ 3
STRATHPEFFER SPA	0·4	− 6·4	1	−14	WORTHING	10·1	?	18	?
EDINBURGH	1·2	− 4·6	3	−11	BOGNOR	7·2*	?	13*	?
MORPETH	8·7	?	17	?	WATERGATE (Emsworth)	7·6	?	14	?
NEWCASTLE-ON-TYNE	1·3	?	3	?	WESTBOURNE (Emsworth)	8·0*	− 4·0	15*	− 7
OSWALDKIRK (Yorkshire)	6·2	− 2·4	12	− 4	VENTNOR HOSPITAL	8·9	?	16	?
YORK					SOUTHPORT	7·0	?	14	?
LOWESTOFT	12·7	?	24	?	RHYL	6·3*	?	12*	
HOLLESLEY BAY	17·4	?	32	?	COLWYN BAY	7·5	?	14	?
SHEFFIELD	1·8	?	3	?	ABERDOVEY	13·7*	?	26*	?
WORKSOP	2·8	− 4·7	5	−11	TENBY	22·8	+ 9·7	42	+20
THURCASTON (Leicestershire)	2·8	− 5·2	5	−10	NEWQUAY	21·0	+10·0	38	+17
MARGATE	14·7	+ 4·9	27	+10	TORQUAY	13·6	− 0·4	24	0
EASTBOURNE	13·3	+ 0·9	24	+ 1	GUERNSEY	14·5*	+ 4·3	25*	+ 7

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No. 2.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 13TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 8.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	29	43·9	35·5	39·9	2 above	5	− 1	25	−18	5	− 6	52	−33
	1. SCOTLAND, EAST	48	27	42·0	32·8	37·6	1 above	0	− 7	31	−14	0	−13	70	−18
	2. ENGLAND, N.E.	45	29	41·7	33·9	37·9	1 above	0	− 6	29	−13	1	−11	55	−26
	3. ENGLAND, EAST	50	25	41·9	32·0	37·1	0 (average)	0	− 6	34	−14	6	− 7	61	−32
	4. MIDLAND COUNTIES	51	29	42·7	34·3	38·4	1 above	2	− 6	27	−20	3*	−13	57	−25
	5. ENGLAND, SOUTH	51	26	44·0	34·3	39·3	1 above	6	− 4	29	−10	27	+ 6	43	−33
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	51	31	44·9	37·3	41·3	3 above	8	− 1	20	−12	8	−10	45	−18
	7. ENGLAND, N.W.	49	29	44·2	37·4	40·9	2 above	6	− 1	18	−16	7	− 8	42	−25
	8. ENGLAND, S.W.	53	28	46·9	38·8	43·0	3 above	20	+ 7	9	−19	33*	+ 6	34*	−21
	9. IRELAND, NORTH	53	29	46·7	37·8	42·4	3 above	20	+ 8	12	−17	23	0	39	−18
	10. IRELAND, SOUTH	54	29	49·4	39·4	44·6	3 above	29	+11	7	−16	39*	+ 4	44*	− 2
	—CHANNEL ISLANDS	54	37	50·3	43·4	47·0	3 above	35	+14	0	−13	66	+22	0	−24

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 8.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	14	1 more	12	+ 2	2·4	− 0·2	9	+ 4	18	+ 8	10	0	10	0
	1. SCOTLAND, EAST	6	5	1 less	12	+ 5	2·5	+ 1·2	15	+ 8	29	+14	17	+ 2	18	+ 3
	2. ENGLAND, N.E.	4	2	3 less	10	+ 2	1·7	+ 0·8	18	+ 9	34	+17	25*	+ 7	23	+ 7
	3. ENGLAND, EAST	4	4	1 less	10	+ 2	1·6	+ 0·7	16	+ 7	29	+13	28	+ 7	25	+ 6
	4. MIDLAND COUNTIES	5	4	2 less	10	+ 3	2·4	+ 1·3	14	+ 5	25	+10	18	+ 1	19	+ 1
	5. ENGLAND, SOUTH	3	2	4 less	8	+ 1	1·6	+ 0·4	17	+ 5	30	+10	27	+ 5	24	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	13	0 (average)	12	+ 4	3·0	+ 0·3	16	+ 9	31	+16	21	+ 6	21	+ 6
	7. ENGLAND, N.W.	7	9	3 more	11	+ 4	2·1	+ 0·7	18	+ 8	33	+15	24	+ 6	22	+ 6
	8. ENGLAND, S.W.	6	10	0 (average)	12	+ 4	3·0	+ 1·1	16	+ 4	28	+ 8	33	+10	29	+ 8
	9. IRELAND, NORTH	7	8	1 more	13	+ 4	2·0	+ 0·5	14	+ 4	27	+ 9	26	+ 7	25	+ 7
	10. IRELAND, SOUTH	6	7	3 less	12	+ 4	2·6*	+ 0·8	15	+ 3	28	+ 6	24	0	23	0
	— CHANNEL ISLANDS	7	5	3 less	14	+ 5	3·2	+ 1·6	20	+ 8	34	+13	34	+ 9	30	+ 8

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was again very changeable, with frequent, and at times, rather heavy, rain in the west and north, and occasional slight falls in the east and south-east. Intervals of clear sky, however, were experienced in all parts of the Kingdom.

Temperature was above the mean in almost all districts, the excess ranging from 1° in most of the north-eastern, south-eastern and central parts of Great Britain, to 3° in the western and south-western districts. The highest of the maxima were recorded on the 8th over England and in most parts of Ireland, but later in the week elsewhere. They ranged from 54° in Ireland S. and the Channel Islands, to 45° in England N.E. The lowest of the minima, which were registered on rather irregular dates, varied from 25° in England E. and 26° in England S., to 31° in Scotland W. and 37° in the Channel Islands.

Rainfall was less than the mean over the greater part of the Kingdom, but just equalled it in Scotland W. and England S.W., and slightly exceeded it in Scotland N., England N.W. and Ireland N.

Bright Sunshine exceeded the mean amount in all districts. The percentage of the possible duration ranged from 34 in the Channel Islands, 33 in England N.W., and 31 in Scotland W., to 25 in the Midland Counties and England N.E. and 18 in Scotland N.

Barometer and Wind.—Depressions of different intensity, and mostly "V-shaped," continued to pass over the more western and northern parts of our Islands, causing the winds to vary from between South or South-West and North-West, and to occasionally increase considerably in force On the 9th and 10th a strong breeze to slight gale was experienced in the north-west and north.

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* This value has been altered owing to the receipt of further information for the preceding week.

II.—DATA from which the SUMMARY on page 7 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	46	35	43·9	37·7	40.9	+ 1·9	5	17	7	1·29	+ 0·39	*	*	*	*
	Stornoway	49	31	45·4	35·1	40·5	+ 2·2	10	28	7	1·53	+ 0·33	9·8	+ 4·0	21	+ 8
	Wick	45	32	43·3	34·9	39·3	+ 1·9	4	27	6	0·45	- 0·12	*	*	*	*
	Lairg §												*	*	*	*
	Glencarron §	48	32	42·5	34·8	38·8	+ 1·8	1	27	7	2·35	+ 0·07	*	*	*	*
	Fort Augustus §	47	29	43·4	34·1	38·9	+ 0·7	4	30	7	1·08	0·00	6·4	+ 3·6	13	+ 6
	Fort William §	48	31	45·0	36·6	41·0	+ 2·5	8	22	7	1·87	- 0·30	4·0	- 0·8	8	- 3
1. SCOTLAND E.	Nairn	48	30	44·0	32·4	38·4	+ 1·3	6	36	6	0·38	- 0·07	*	*	*	*
	Aberdeen	43	30	41·0	33·4	37·4	+ 0·1	0	32	5	0·14	- 0·41	19·3	+ 8·3	39	+17
	Braemar §	40	27	38·3	30·6	34·6	+ 0·4	0	52	4	0·81	+ 0·09	8·2†	+ 4·4†	17†	+ 9†
	Ochtertyre §	47	31	42·1	33·6	38·0	+ 1·8	0	31	7	0·86	- 0·24	*	*	*	*
	Leith	48	32	44·7	34·6	39·9	+ 1·2	8	30	6	0·26	- 0·12	*	*	*	*
	Marchmont §	45	30	41·6	32·4	37·2	+ 1·2	0	34	7	0·55	- 0·04	18·3	+ 9·7	37	+20
2. ENGLAND, N.E.	Alnwick Castle	45	32	41·6	34·4	38·1	+ 0·8	0	27	4	0·22	- 0·28	*	*	*	*
	Durham	44	29	40·5	31·8	36·3	- 0·1	0	40	4	0·11	- 0·37	19·3	+ 9·5	37	+19
	Shields	44	32	41·4	34·1	37·9	- 0·2	0	29	5	0·20	- 0·20	*	*	*	*
	Scarborough ℳ															
	Spurn Head	45	34	43·1	35·3	39·4	- 1·7	3	26	2	0·11	- 0·21	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	44	26	40·9	31·1	36·2	0·0	0	41	2	0·46	0·00	17·8	+ 8·3	33	+15
	Yarmouth	43	30	40·7	32·3	36·7	- 0·4	0	37	6	0·51	+ 0·04	*	*	*	*
	Geldeston	46	25	42·6	31·8	37·4	- 0·3	2	38	5	0·54	+ 0·19	15·6	+ 4·6	28	+ 8
	Cambridge	50	25	43·2	31·5	37·6	- 0·8	3	39	3	0·19	- 0·13	18·3	+ 8·2	33	+13
	Felixstowe	45	31	41·8	33·4	37·8	- 0·1	0	29	2	0·31	?	14·8†	?	27†	?
	Rothamsted	49	27	42·1	31·7	37·1	+ 0·5	0	38	3	0·10	- 0·44	17·6	+ 7·8	32	+14
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	47	32	41·7	34·0	38·0	+ 1·1	0	28	3	0·12	- 0·27	*	*	*	*
	Loughborough	51	32	42·6	34·1	38·5	+ 1·5	2	29	4	0 21	- 0·22	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle ℳ	49	29	41·4	33·0	37·4	+ 1·2	0	32	6	0·66	+ 0·06	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	49	32	42·2	34·8	38·7	+ 2·1	1	27	4	0.23	?	8·1	?	15	?
	Churchstoke ℳ	50	32	44·0	34·1	39·3	+ 2·1	6	31	6	0·68	+ 0·06	17·0	+ 7·2	31	+12
	Hereford (Belmont) ℳ	50	31	43·3	34·2	38·9	+ 0·9	4	29	6	0·40	- 0·12	*	*	*	*
	Cirencester	48	30	43·4	31·6	37·7	+ 0·7	4	39	5	0·43	- 0·22	15·9	+ 4·8	29	+ 9
	Oxford	50	30	43·0	34·4	38·9	+ 0·9	3	29	3	0·11	- 0·36	17·4	+ 7·2	32	+13
5. ENGLAND, S.	London	49	29	43·9	32·7	38·5	0·0	5	35	3	0·22	- 0·23	11·9†	+ 6·5†	22†	+13†
	Cranley ℳ												*	*	*	*
	Dungeness	48	26	43·4	31·6	37·7	- 1·3	4	39	2	0·19	- 0·34	*	*	*	*
	Hastings (St. Leonards)	47	32	43·1	34·4	38·9	- 0·2	3	28	2	0·12	- 0·48	16·6	+ 3·2	30	+ 6
	Southampton	51	32	45·7	34·8	40·5	+ 1·4	10	30	3	0·08	- 0·62	18·3	+ 7·2	33	+13
	Portland Bill	50	36	46·3	39·7	43·1	+ 2·2	17	6	3	0·37	?	*	*	*	*
	Shaftesbury ℳ	50	30	41·4	32·8	37·3	+ 0·6	0	33	6	0·44	- 0·26	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	32	46·2	38·2	42·4	+ 3·2	19	11	7	2·11	+ 0·16	*	*	*	*
	Glasgow	47	33	43·3	36·7	40·1	+ 2·1	4	20	7	0·83	0·00	12·3	+ 7·8	25	+16
	Glenlee §	47	31	43·3	34·5	39·1	+ 2·1	4	29	7	1·29	- 0·34	*	*	*	*
	Douglas (Isle of Man)	49	37	46·6	39·9	43·4	+ 3·1	19	6	7	1·05	+ 0·07	18·9	+ 8·6	36	+16
7. ENGLAND, N.W.	Newton Reigny															
	Stonyhurst	46	30	41·7	34·6	38·3	+ 1·1	0	26	7	1·00	+ 0·10	16·3	+ 8·3	31	+16
	Blackpool ℳ	47	32	43·3	36·5	40·0	+ 2·2	4	21	7	0·77	+ 0·16	20·8	+12·4	29	+25
	Manchester (Prestwich)	49	29	42·8	34·4	38·6	+ 1·4	2	27	6	0·88	+ 0·18	11·4	?	22	?
	Liverpool Obsy. (Bidston)	49	34	43·7	36·9	40·4	+ 1·5	5	20	7	0·90	+ 0·44	21·1	?	39	?
	Llandudno ℳ	49	39	46·5	40·4	43·6	+ 2·6	18	4	7	1·11	+ 0·51	12·3	+ 3·2	23	+16
	Holyhead	49	40	46·9	41·3	44·2	+ 2·3	18	2	6	0·85	+ 0·10	*	*	*	*
8. ENGLAND, S.W.	Llandovery	50	28	45·9	33·6	40·0	+ 2·3	11	34	7	0·83	- 0·31	*	*	*	*
	Pembroke	50	42	48·1	43·7	46·0	+ 3·6	28	0	6	0·94	+ 0·12	19·9	+ 8·2	36	+16
	Clifton	50	33	44·2	36·4	40·5	+ 1·3	6	23	5	0·35	- 0·37	*	*	*	*
	Arlington (N. Devon)	49	35	45·3	38·6	42·1	+ 2·2	15	10	7	1·22	+ 0·17	*	*	*	*
	Cullompton ℳ	51	31	46·3	35·1	40·9	+ 1·7	12	29	6	0·67	- 0·05	14·9	+ 5·5	27	+10
	Falmouth	52	42	49·6	44·0	46·9	+ 3·6	34	0	7	1·38	+ 0·18	14·1	+ 1·9	25	+ 4
	Plymouth	53	35	48·9	40·5	44·9	+ 3·3	27	4	7	1·34	+ 0.51	11·7	+ 0·9	21	+ 2
9. IRELAND, N.	Malin Head	48	37	46·3	40·6	43·6	+ 2·5	17	4	7	0·43	?	*	*	*	*
	Londonderry	51	33	46·4	38·1	42·4	+ 2·7	19	11	7	0·71	- 0·16	*	*	*	*
	Edenfel (Omagh)	50	29	45·4	35·9	40·8	+ 3·4	10	25	7	0·83	+ 0·06	*	*	*	*
	Blacksod Point	51	33	49·4	40·4	45·1	+ 2·7	28	4	7	1·87	?	*	*	*	*
	Markree Castle	53	31	47·8	36·9	42·6	+ 3·6	26	14	7	0·87	- 0·03	12·2	+ 3·4	23	+ 6
	Armagh	52	32	46·5	37·2	42·0	+ 3·8	13	13	7	0·39	- 0·28	16·3	+ 6·8	31	+13
	Donaghadee	48	33	45·3	35·3	40·5	+ 0·4	9	27	7	0·56	- 0·05	*	*	*	*
10. IRELAND, S.	Dublin	51	34	48·6	39·5	44·2	+ 3·1	26	7	6	0·44	- 0·05	15·6	+ 2·6	29	+ 5
	Parsonstown	52	31	47 7	36·3	42·2	+ 2·7	25	16	6	0·79	+ 0·12	13·3	+ 7·3	34	+13
	Kilkenny	50	30	47·6	35·0	41·6	+ 0·9	16	31	6	0·56	- 0·19	*	*	*	*
	Roche's Point	52	36	50·3	42·1	46·4	+ 3·3	31	0	5	0·20	- 0·98	*	*	*	*
	Valencia	53	39	51·1	43·9	47·6	+ 2·8	39	0	7	1·00	- 0·43	12·3	- 0·1	22	0
	Killarney	54	29	51·2	39·0	45·3	+ 2·1	36	8	6	0·98	?	*	*	*	*
	Foynes	51	34	49·5	39·8	44·8	+ 3·8	29	6	6	0·59	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	43	52·4	45·1	48·9	+ 3·2	48	0	7	0·55	- 0·25	18·3	?	32	?
	Jersey	54	37	48·1	41·7	45·0	+ 2·9	22	1	7	0·39	- 0·33				

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

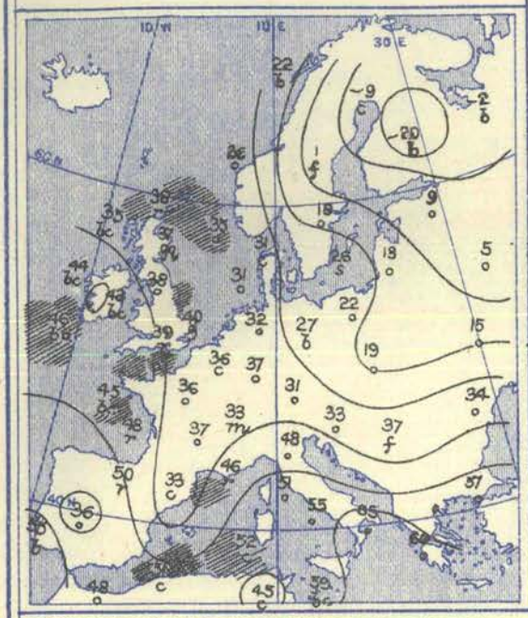
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

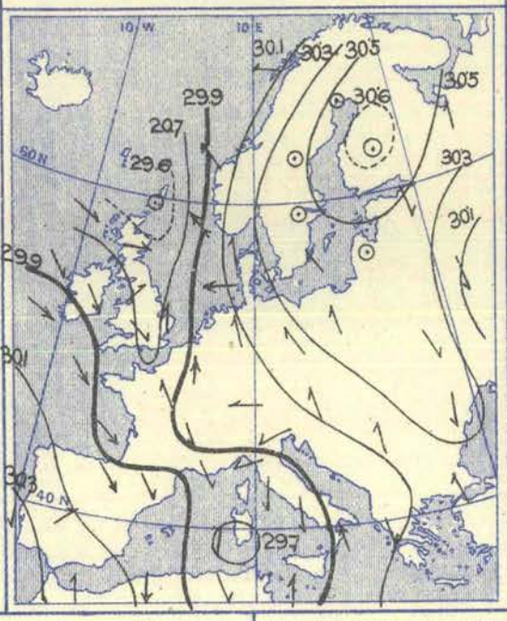
NOTE.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 7th January.

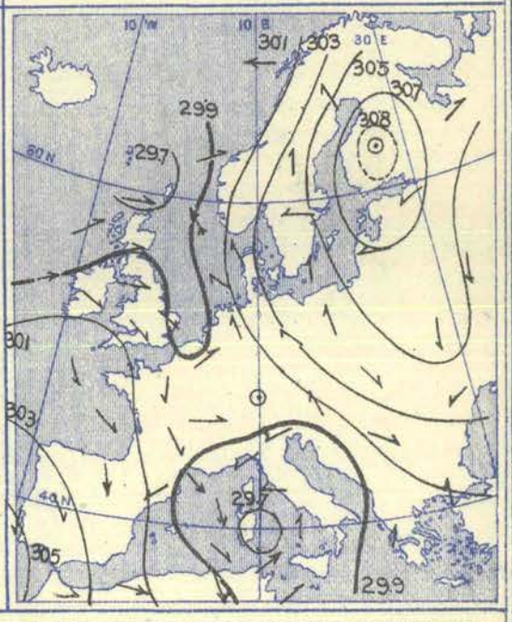
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and unsettled over the eastern and central parts of our Islands and the greater part of the Continent, with rain at several of the English and French stations, and snow at Wisby. Fine in all the more western parts of the United Kingdom, as well as in Portugal, north Germany and the extreme northern parts of Russia and Scandinavia. Improvement taking place later in France, but rain falling in nearly all parts of our Islands; thunderstorm occurring at Algiers.

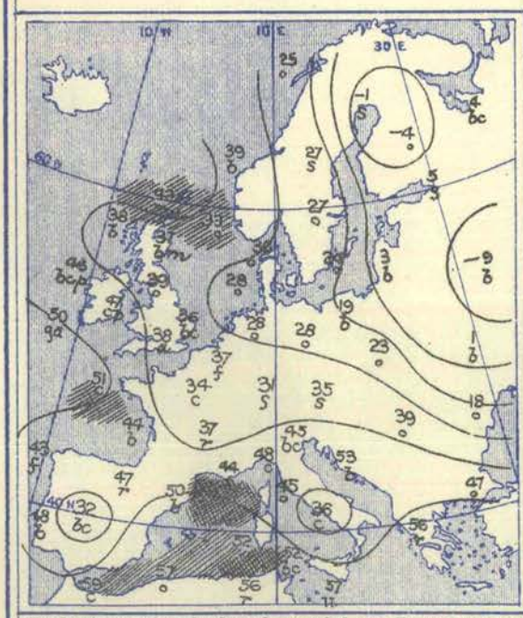
Temperature changed rather irregularly. Morning readings highest, 65° at Brindisi, 60° at Athens, 59° at Malta, and 55° at Naples and Lisbon; above 50° at most of the Mediterranean stations. Lowest, −20° Fahr. at Kuopio, −9° at Haparanda, and −2° at Archangel; considerably below the freezing point over Sweden and Russia generally, and slightly below it in Denmark and Germany. Daily maxima below 45° in many parts of our Islands, but thermometer touching 50° or more on our extreme south-west coasts; exceeding 50° in the west of France and exceeding 55° in many parts of southern Europe.

Wind moderate to fresh from the North-Westward in the western parts of our Islands and France, and also over the Spanish Peninsula; light from the Westward in Scotland; Easterly or South-Easterly over the greater part of northern and central Europe. Light from the North-Westward over central and southern Russia; calm or South-Easterly in Austria; Northerly to Easterly in Italy. Subsequently veering to the Westward or North-Westward in the east and south-east of England, but backing to the South-Westward on our extreme western coasts.

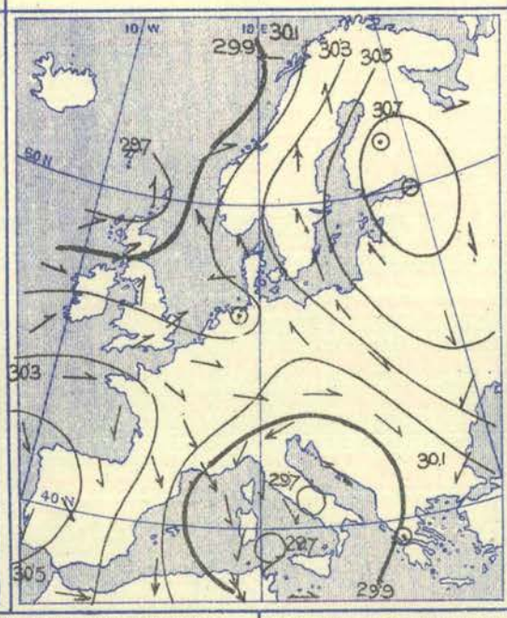
Barometer highest, 30·6 ins. to 30·3 ins. in an anticyclone over Sweden and western and northern Russia; 30·3 ins. and upwards in another system lying off the Portuguese coasts. Lowest, 29·6 ins. and less in a "V-shaped" depression with its centre off the north-east of Scotland; 29·7 ins. and less in another disturbance off the Sardinian coasts. New disturbance beginning to approach our own north-west coasts in evening.

Monday, 8th January.

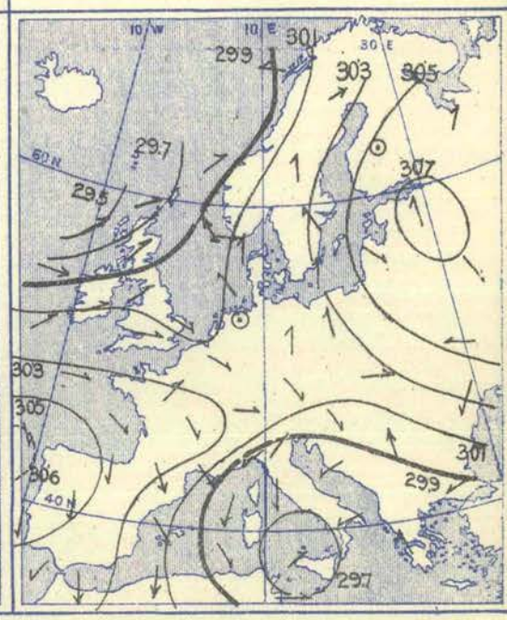
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled over Europe as a whole, with showers at several of the English and Irish stations, steady rain in some parts of France and northern Italy and also in Tunis, and snow in several parts of Denmark, Sweden and northern Russia. Thunderstorm reported at Malta. Fine in Scotland and also over Spain and the central and southern parts of Russia. Rain falling later over nearly the whole of western Europe; lunar halos seen at Stornoway and Spurn Head.

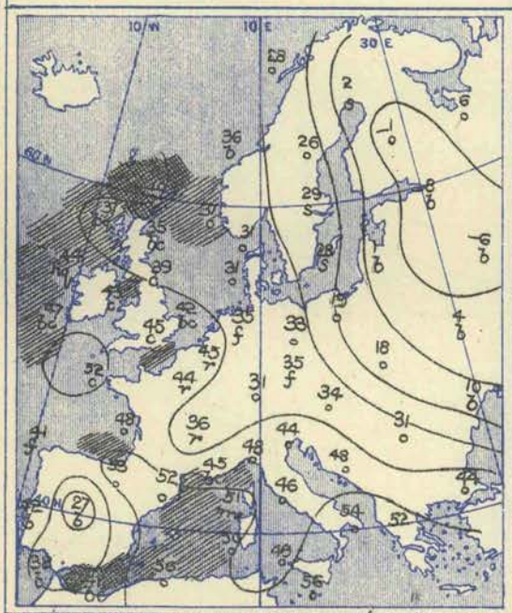
Temperature risen in most parts of our Islands, Scandinavia and northern Russia—quickly in Sweden, fallen elsewhere. Morning readings highest, 59° at Oran, 57° at Malta, and 56° at La Calle, above 50° at most of the Mediterranean stations, and just touching that point at Valencia (Ireland). Lowest, −9° Fahr. at Moscow, −4° at Kuopio and Kharkov, and −1° at Uleaborg; below the freezing point over northern, central, and eastern Europe generally. Rising during day to 50° and upwards in several parts of England and Ireland; exceeding 55° over southern Europe generally and reaching 66° at Caglari.

Wind moderate from the South-Westward or Westward over the greater part of our Islands, but Southerly on the north-east coasts of Great Britain; South-Easterly in Denmark and the south of Scandinavia; Southerly over the Gulf of Bothnia, North-Westerly over France and Spain and Northerly in Portugal. Cyclonic circulation shown over Italy and the neighbouring parts of the Mediterranean, Westerly in Austria. Calm or variable in Russia. Subsequently increasing to a strong breeze from the South-Westward on our own extreme north-west coasts. No important change occurring elsewhere.

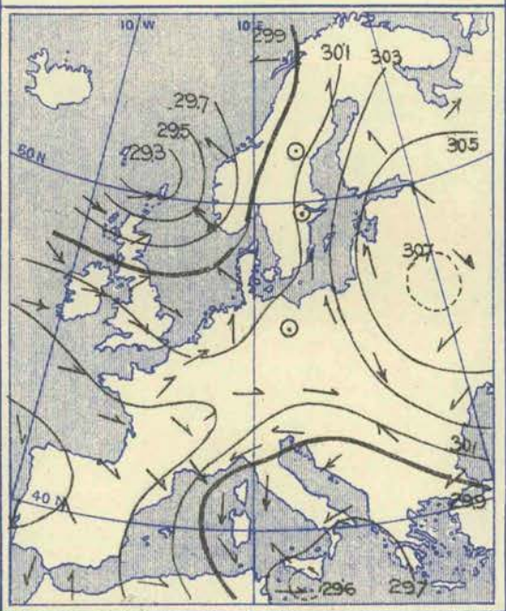
Barometer highest, 30·7 ins. to 30·2 ins. in an anticyclone over Russia and Sweden; 30·5 ins. to 30·2 ins. in another system over the Spanish Peninsula, France and the extreme south of England. Lowest, 29·7 ins. and less in a depression off the north of Scotland, and also in another system over central Italy. New disturbance approaching the north of Scotland later, and barometer falling briskly on our extreme north-west coasts.

Tuesday, 9th January.

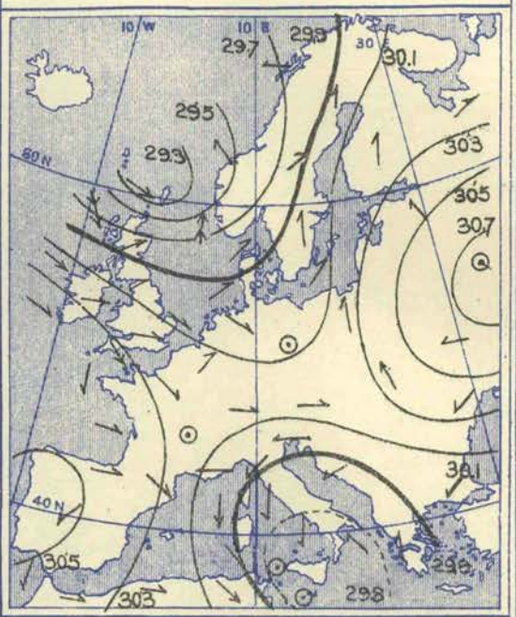
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of the United Kingdom, but showery on our extreme north-west coasts; snow and hail were falling in the north of Scotland. Dull at most of the Continental stations, with rain in several parts of France and Germany, and snow in the south of Sweden, as well as at Kuopio, Breslau and Vienna. Showers falling later in the west and north of our Islands generally, and rain at several of the Continental stations. Lightning seen in the north-east of Scotland at night.

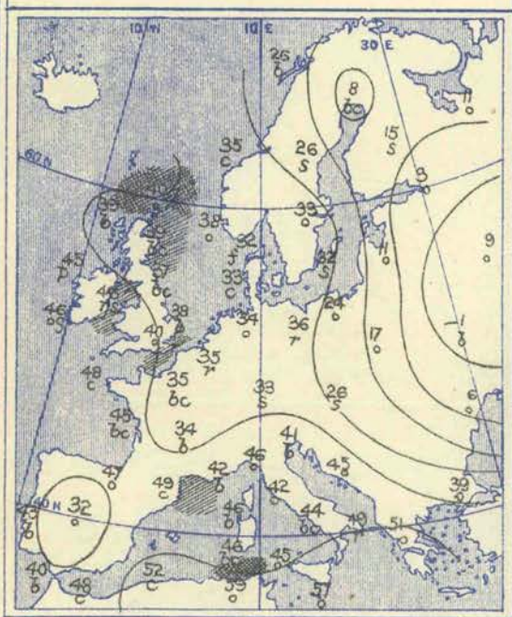
Temperature risen in Denmark, Germany and France, but fallen elsewhere. Morning readings highest, 56° at Malta and Algiers, and 55° at Palma; above 50° at most of the Mediterranean stations. Lowest, -8° Fahr. at St. Petersburg and Kharkov, and -6° at Moscow; considerably below the freezing point in most parts of Russia and eastern Germany, and slightly in many parts of northern and central Europe. Daily maxima below 45° at most of our own northern and eastern stations, but thermometer exceeding that point in the west and south; exceeding 50° in the Channel Islands and the west of France, and exceeding 55° in many parts of southern Europe, the highest reading of all being 66° at Cagliari.

Wind Westerly or North-Westerly over the greater part of our Islands and France, and strong in force on our extreme north and north-west coasts; South-Westerly over the Netherlands; Southerly over Sweden and the Baltic and northern Russia; South-Easterly or Easterly in Norway. Variable over Austria and the south of Russia; North-Easterly over Italy and the Adriatic; Northerly over the Spanish Peninsula. Subsequently increasing to a gale from the North-Westward in the north of Scotland; no important change occurring elsewhere.

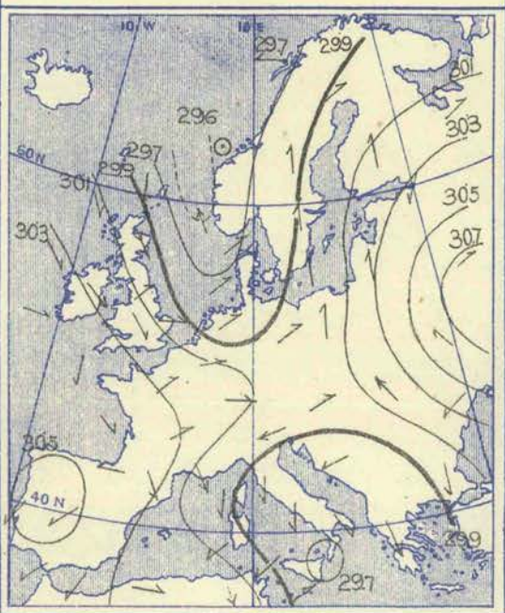
Barometer highest, 30·6 ins. and upwards in an anticyclone over western and central Russia; 30·5 ins. and upwards in another system over the western and central parts of the Spanish Peninsula. Lowest, 29·3 ins. and less in a deep depression with its centre over the Shetlands; 29·6 ins. and less in another disturbance with its centre near Malta. Depression in north subsequently moving slowly eastwards, and barometer rising over the United Kingdom generally.

Wednesday, 10th January.

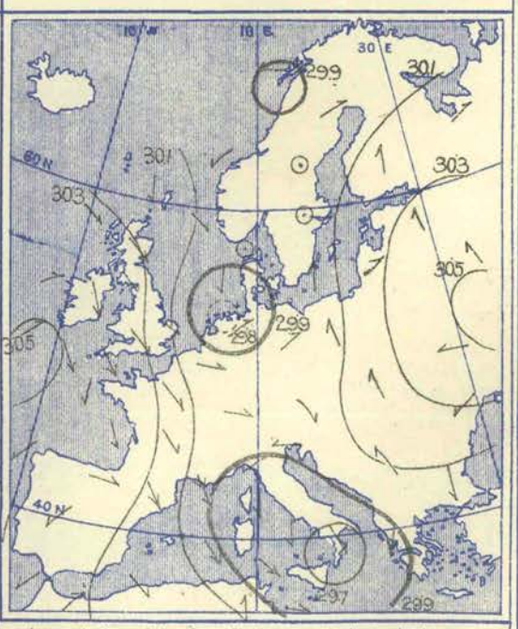
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather fine over the greater part of the United Kingdom and France, but showery at some of our own western stations and rainy at Sumburgh Head. Dull and unsettled in nearly all other parts of Europe, with fog in Denmark, rain at Brussels and Berlin and also at Palermo, and snow in Austria and south Germany, as well as in several parts of Sweden and northern Russia; fine in the south of Russia. A little rain falling later in many parts of western Europe and considerable amounts in the south of Italy.

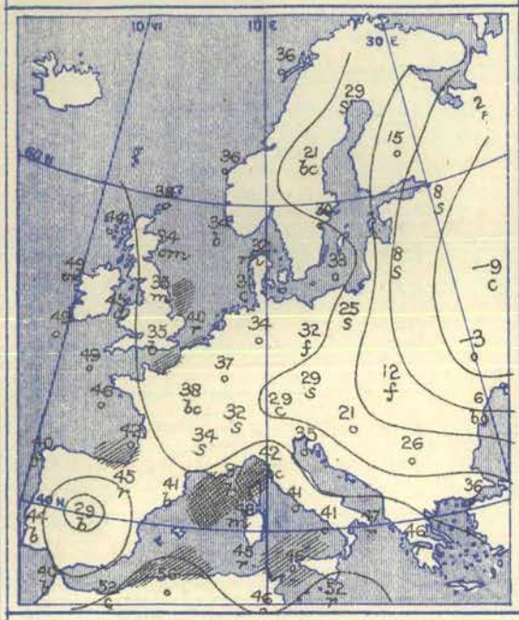
Temperature risen in the west and north of our Islands and the northern parts of the Continent, but fallen elsewhere. Morning readings highest, 59° at La Calle, 57° at Malta, and 52° at Algiers, but below 50° at the Mediterranean stations generally. Lowest, -17° Fahr. at Kharkov, -9° at Moscow, and -1° at Kiev; below the freezing point over northern and eastern Europe generally. Daily maxima below 45° at most of our own northern and eastern stations, but thermometer rising to between 50° and 55° on our south-west coasts and also in the west of France; exceeding 60° at some of the Spanish and Mediterranean stations. Frost occurring over Great Britain at night.

Wind North-Westerly over the greater part of our Islands and France, and strong in force on the more exposed parts of our coasts; Westerly on the east coasts of England; light from the South-Westward over the Netherlands, Germany and Denmark. Southerly over Scandinavia, Finland and the Baltic. North-Easterly or Northerly over Italy, the Spanish Peninsula and the south of Russia. Variable in Austria. Subsequently backing to the South-Westward in the west of Ireland. No important change occurring elsewhere.

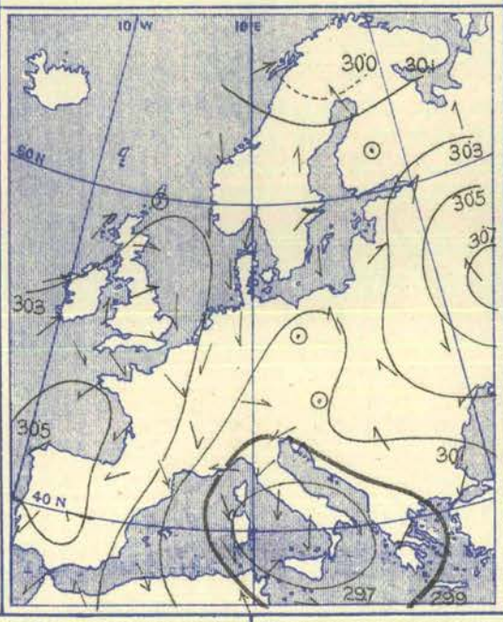
Barometer highest, 30·7 ins. to 30·2 ins. in an anticyclone over Russia: 30·5 ins. to 30·3 ins. in another system over the Spanish Peninsula, France and all the more south-western parts of our Islands. Lowest, 29·6 ins. and less in a depression off the south-west of Norway; 29·8 ins. and less in another system over Greece, southern Italy and the neighbouring parts of the Mediterranean. Anticyclone over south-western Europe subsequently spreading northwards; Norwegian depression moving south-eastwards and filling up.

Thursday, 11th January.

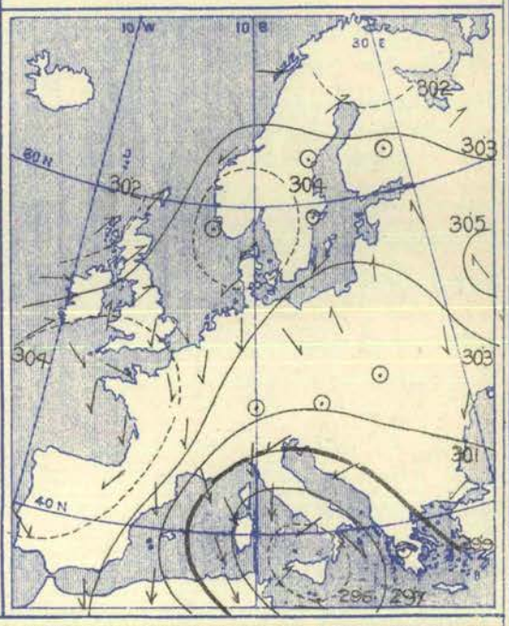
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over the greater part of Europe, with rain at several of our own western and northern stations and also at Biarritz, and in Greece and southern Italy. Snow falling over central France and southern Germany, as well as in Finland. Fine in the east and south-east of England, as well as in Spain, northern Italy, the extreme south of France and many parts of Scandinavia. Slight rain falling during day in several parts of our Islands and France; solar halos seen at Jersey and Biarritz.

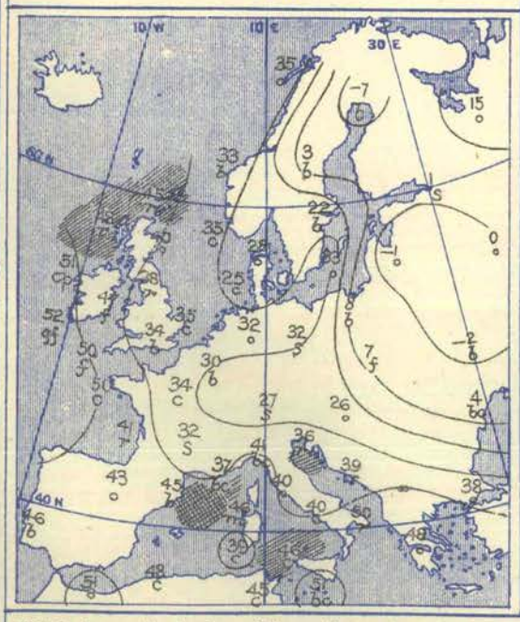
Temperature fallen generally, but risen a little in Ireland and the west of Scotland. Morning readings highest, (1) 56° at Algiers, and 52° at Malta and Oran; below 50° at most of the Mediterranean stations, but touching that level at Roches Point, and very little below it on our extreme west and south-west coasts generally. Lowest, −9° at Moscow, −3° at Kiev, and +2° at Archangel and Kharkov; below the freezing point over northern and central Europe generally, and very little above it over the northern and central parts of Great Britain. Daily maxima below 40° in some parts of central England where frost occurred at night. Thermometer exceeding 55° at several of the Mediterranean stations.

Wind light to moderate from the Northward or North-Westward over the east and south of England and the western and southern parts of the Continent generally. Westerly or South-Westerly in all the more western and northern parts of our Islands; Southerly at several of the Swedish, Baltic and north Russian stations; calm or variable in Germany and Austria. No important change occurring during day.

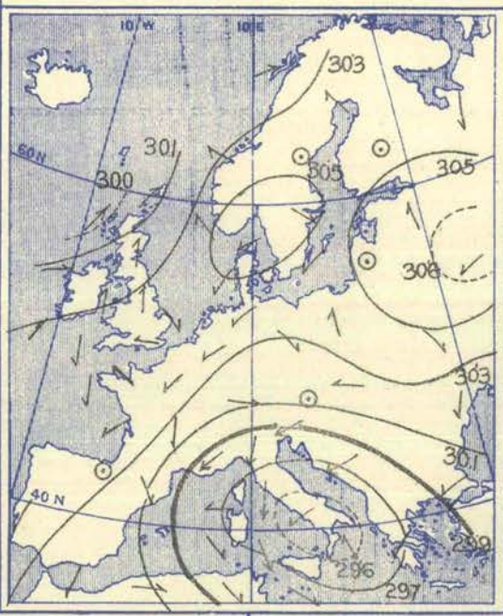
Barometer highest, 30·7 ins. to 30·2 ins. in an anticyclone over Russia; 30·5 ins. to 30·2 ins. in another system covering nearly the whole of western Europe. Lowest, 29·7 ins. and less in a depression over southern Italy and the neighbouring parts of the Mediterranean; 30·0 ins. and less in the north of Scandinavia. Shallow depression lying off the north-west of Scotland, and spreading slowly eastwards during day.

Friday, 12th January.

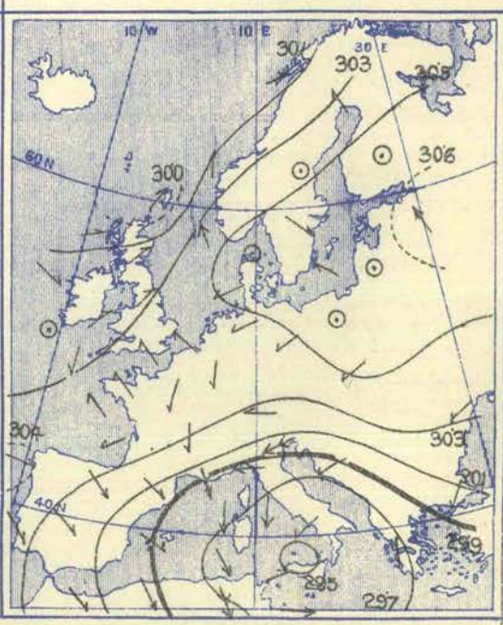
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over the greater part of our islands and the Continent, with fog and rain on many parts of our own west and south-west coasts, as well as in the west of France. Rain falling also at the Adriatic stations and snow in some parts of Germany, Austria and central France, as well as at St. Petersburg. Fine in the south-east of England and also in the extreme south of France and in many parts of Scandinavia. Rain falling later in nearly all parts of the United Kingdom, but amount mostly slight.

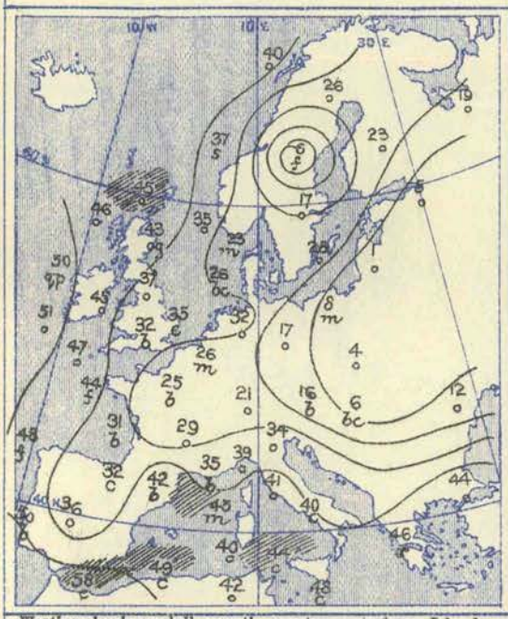
Temperature risen in our Islands, but fallen at most of the Continental stations. Morning readings highest, (1) 52° at Valencia (Ireland), 51° at Blacksod Point, and 50° at Roches Point, Scilly and Brest; (2) 51° at Malta and Oran. Lowest, −2° Fahr. at Kiev, −1° at Riga, 0° zero at Moscow, and +1° at St. Petersburg; considerably below the freezing point over Sweden and Russia generally; slightly below it in many parts of Germany and France, and very little above it over eastern and central England. Daily maxima below 40° at many of the English stations, but thermometer rising to between 50° and 52° on our extreme west and south-west coasts. Frost occurring over England at night.

Wind light from the Eastward or South-Eastward over the greater part of England, and from the Southward or South-Westward in Ireland and Scotland; South-Easterly in the west of Norway. Calm or variable over Sweden, Russia and Austria; light to moderate from the North-Eastward or Northward over Germany, France and Spain, and strong from the same quarters over northern Italy; North-Westerly over the central parts of the Mediterranean. Subsequently becoming variable on our own extreme south-west coasts; no important change occurring elsewhere.

Barometer highest, 30·6 ins. and upwards over central Russia; 30·3 ins. and upwards in an anticyclone covering the greater part of northern and western Europe. Lowest, 29·6 ins. and less in a depression over southern Italy; 30·0 ins. and less in a shallow disturbance off the north-west of Scotland. Latter disturbance subsequently moving north-eastwards and barometer rising slightly on our extreme north-west coasts.

Saturday, 13th January.

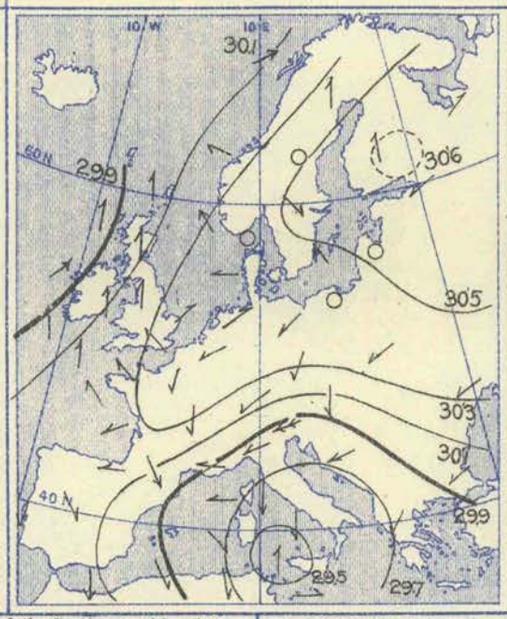
Temperature and Weather. 8 a.m.

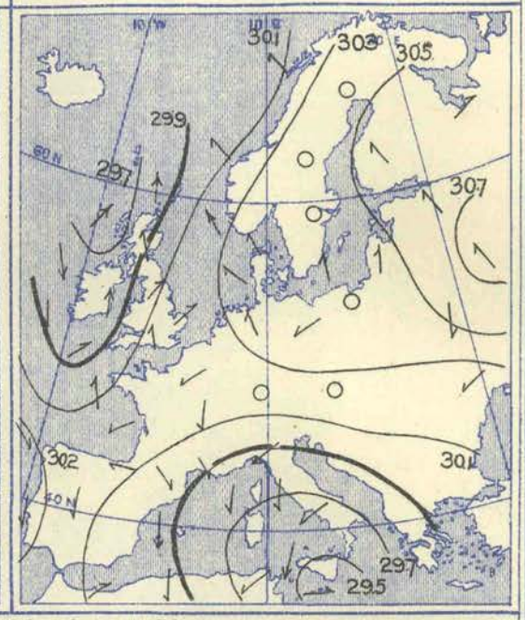


Weather cloudy or dull over the greater part of our Islands and the Continent, with rain at some of the Irish stations, and fog at the mouth of the St. George's Channel; snow falling at Christiansund and rain in Greece. Fine in the south-east of England and many parts of France. Heavy rain falling later on the west coasts of Ireland and France, and smaller amounts in the west and north of our Islands generally.

Temperature fallen in most countries,—rapidly in Germany. Morning readings highest, (1) 58° at Oran, 54° at Nemours, and 50° at Lisbon; (2) 51° at Valencia (Ireland), and 50° at Blacksod Point. Lowest, −6° Fahr. at Hernösand, +1° at Riga and Memel, 4° at Warsaw, and 5° at St. Petersburg and Swinemunde; considerably below the freezing point over northern, eastern and central Europe generally. Daily maxima below the freezing point in Germany and central France, and below 40° over the eastern and central parts of England; thermometer rising to 50° or more on our extreme west and south-west coasts, and also over Spain and southern Italy. Sharp frost occurring in the east and south-east of England at night.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind light to fresh from the Southward over our Islands as a whole, but moderate from the South-Eastward in the south of England and the north of France, as well as in the west of Norway. Calm or variable in Sweden; light from East or South-East in Finland. North-Easterly or Northerly over central France, Germany, Austria and Italy, with a gale at Trieste; Northerly or North-Westerly in Spain. Subsequently shifting to the North-Westward in Ireland; no important change occurring elsewhere.

Barometer highest, 30·6 ins. and upwards in Finland, 30·3 ins. and upwards in an anticyclone covering the whole of northern and central Europe and extending over the east and south-east of England. Lowest, 29·5 ins. and less in a well-marked depression over Sicily and the neighbouring parts of the Mediterranean; 29·9 ins. and less in another disturbance to the westward of our Islands. Latter disturbance proving later to be of a "V"-shaped character, and advancing directly over the western and northern parts of the United Kingdom.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During nearly the whole of this period two high pressure systems were in existence, the one being situate for the most part over the Spanish Peninsula and neighbouring parts of the Atlantic, while the other lay over northern and afterwards over central and southern Russia. Over western Europe the weather was influenced partly by the Spanish anticyclone, and partly by some depressions which appeared in the first place off our western and northern coasts, and which afterwards spread over a considerable portion of the United Kingdom. The first of these—a "V"-shaped disturbance—passed across our Islands early on the 7th and afterwards dispersed over the North Sea, its passage being marked by heavy rains in many parts of England, and less decided falls in most other districts. The second depression skirted the north of Scotland on the 8th and 9th and occasioned further rains over the whole of western Europe, the wind in its rear increasing to a gale from the North-Westward on our extreme northern coasts. As this disturbance passed away the Spanish anticyclone extended temporarily over the whole of western Europe, and the weather therefore became fine and dry, with sharp frost in many parts of Great Britain. On the 13th, however, another depression, again of a "V"-shaped character advanced over the western parts of the United Kingdom, so that rain again fell in all but our south-eastern districts, the wind in the front of the disturbance increasing considerably from the Southward, but afterwards veering quickly to the North-Westward in the west.

In many parts of southern Europe the weather during the whole week was influenced by a shallow depression which hung with great persistence over Italy and the neighbouring parts of the Mediterranean, a cyclonic circulation of wind being observed in those regions, with occasional heavy falls of rain in places.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 8.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	8·1	?	18	?	BRIGHTON	17·8	+ 6·4	32	+12
STRATHPEFFER SPA	15·1	+ 8·6	32	+18	WORTHING	17·3	?	31	?
EDINBURGH	12·2	+ 6·0	24	+10	BOGNOR	14·0*	?	25*	?
MORPETH	21·3	?	41	?	WATERGATE (Emsworth)	15·5	?	28	?
NEWCASTLE-ON-TYNE	15·3	?	29	?	WESTBOURNE (Emsworth)	18·5*	+ 5·8	33*	+12
OSWALDKIRK (Yorkshire)	14·3	+ 6·1	27	+12	VENTNOR HOSPITAL	21·3	?	38	?
YORK					SOUTHPORT	21·9	?	41	?
LOWESTOFT	12·0	?	22	?	RHYL	21·1*	?	39*	?
HOLLESLEY BAY	17·1	?	31	?	COLWYN BAY		?		?
SHEFFIELD	11·6	?	21	?	ABERDOVEY	16·5*	?	31*	?
WORKSOP	9·5	+ 1·9	18	+ 3	TENBY	21·1	+ 8·3	38	+16
THURCASTON (Leicestershire)	15·5	+ 6·6	29	+13	NEWQUAY	11·5	+ 0·5	20	0
MARGATE	14·1	+ 4·6	25	+ 9	TORQUAY	17·0	+ 3·6	30	+ 7
EASTBOURNE	16·4	+ 4·4	29	+ 7	GUERNSEY	20·8*	+10·5	35*	+17

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No. 3.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 20TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 14.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	48	27	42·8	34·3	38·7	1 above	2	− 4	29	−14	7	−10	82*	−46
	1. SCOTLAND, EAST	50	27	42·4	34·1	38·4	1 above	1	− 6	29	−16	1	−19	99	−34
	2. ENGLAND, N.E.	50	30	43·5	33·6	38·8	1 above	4	− 2	32	−10	5	−13	87	−36
	3. ENGLAND, EAST	51	27	43·2	32·0	37·8	1 above	3	− 3	37	−12	9	−10	98	−44
	4. MIDLAND COUNTIES	51	28	45·1	34·0	39·8	3 above	9	+ 1	32	−16	12	−12	89	−51
	5. ENGLAND, SOUTH	51	26	46·7	35·2	41·2	2 above	13	+ 4	29	−10	40	+10	72	−43
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	34	45·0	37·3	41·3	2 above	8	− 1	20	−13	16	−11	65	−31
	7. ENGLAND, N.W.	51	32	45·0	37·2	41·2	2 above	8	+ 1	20	−15	15	− 7	62	−40
	8. ENGLAND, S.W.	53	28	48·7	39·3	44·2	4 above	27	+14	8	−20	60	+20	42	−41
	9. IRELAND, NORTH	51	30	45·2	35·3	40·5	1 above	9	− 3	27	− 2	32	− 3	66	−20
	10. IRELAND, SOUTH	53	30	48·5	37·4	43·2	1 above	28	+10	13	−10	67	+14	57	−12
	—CHANNEL ISLANDS	54	35	51·7	42·8	47·4	4 above	38	+18	0	−13	104	+40	0	−37

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 14.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	24	11 more	18	+ 3	4·8	+ 0·9	7	+ 2	14	+ 2	17	+ 2	11	+ 1
	1. SCOTLAND, EAST	5	6	0 (average)	17	+ 6	3·1	+ 1·2	10	+ 2	20	+ 4	27	+ 4	18	+ 2
	2. ENGLAND, N.E.	4	2	2 less	14	+ 3	1·9	+ 0·6	10	+ 2	19	+ 2	35	+ 8	21	+ 5
	3. ENGLAND, EAST	5	6	2 more	15	+ 4	2·2	+ 0·9	8	− 2	15	− 3	36	+ 5	22	+ 3
	4. MIDLAND COUNTIES	5	5	0 (average)	15	+ 4	2·9	+ 1·3	12	+ 3	21	+ 5	30	+ 4	20	+ 2
	5. ENGLAND, SOUTH	6	11	5 more	14	+ 4	2·7	+ 0·9	12	− 1	20	− 1	39	+ 6	22	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	21	8 more	19	+ 6	5·1	+ 1·0	12	+ 4	23	+ 7	33	+10	21	+ 6
	7. ENGLAND, N.W.	5	10	3 more	16	+ 5	3·1	+ 1·0	8	− 1	14	− 2	32	+ 5	19	+ 3
	8. ENGLAND, S.W.	7	15	6 more	19	+ 7	4·5	+ 1·7	11	− 1	18	− 3	44	+ 8	26	+ 5
	9. IRELAND, NORTH	7	11	4 more	20	+ 7	3·1	+ 0·8	22	+12	39	+20	48	+19	31	+13
	10. IRELAND, SOUTH	7	11	2 more	19	+ 7	3·7	+ 1·0	18	+ 6	32	+10	42	+ 5	26	+ 3
	— CHANNEL ISLANDS	7	14	6 more	21	+ 7	4·6	+ 2·3	8	− 7	14	−11	41*	+ 3	24	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather continued in an unsettled condition in all parts of the Kingdom. Rain fell daily at most of our western and extreme northern stations, and rather frequently elsewhere. Considerable bright, clear intervals occurred from time to time in most districts, especially over Ireland.

Temperature was above the mean, the excess ranging from 1° in Ireland and the north-eastern and northern parts of Great Britain, to 4° in England S.W. and the Channel Islands. The highest of the maxima, which were mostly recorded towards the end of the period, ranged from 54° in the Channel Islands, and 53° in England S.W. and Ireland S., to 48° in Scotland N. The lowest of the minima were registered during the earlier days of the week, and ranged from 26° in England S., to 34° in Scotland W., and 35° in the Channel Islands.

Rainfall exceeded the mean generally, but only just equalled it in the Midland Counties and Scotland E., and showed a deficit in England N.E. In Scotland N. and W., England S. and S.W., and the Channel Islands the excess was large.

Bright Sunshine was again fairly abundant for the time of year, especially at the Irish stations. The percentage of the possible duration ranged from 39 in Ireland N., and 32 in Ireland S., to 23 in Scotland W., and 14 in Scotland N. and England N.W., and the Channel Islands.

Barometer and Wind.—During this period a series of depressions, some large and rather deep, skirted our north-western and northern coasts, while their secondaries moved in an easterly or north-easterly direction immediately over our Islands. Southerly to Westerly winds, occasionally very strong in the West and North, were consequently most prevalent over the United Kingdom and their neighbourhood, but during Thursday there was a fresh or strong wind from the North-Westward, with bright, cold weather in England.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 13 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	45	33	43·3	37·4	40·5	+ 1·4	4	18	7	2·13	+ 1·25	*	*	*	*
	Stornoway	48	32	43·4	33·9	38·8	+ 0·2	4	30	7	2·15	+ 0·98	7·5	+ 1·3	15	+ 2
	Wick	45	32	44·1	35·0	39·7	+ 2·1	6	27	4	0·36	− 0·16	*	*	*	*
	Lairg Ⓢ	42	27	40·7	30·5	35·8	− 0·7	0	43	6	1·70	+ 0·90	*	*	*	*
	Glencarron Ⓢ	47	28	41·5	32·7	37·3	+ 0·1	0	33	7	4·10	+ 1·83	*	*	*	*
	Fort Augustus Ⓢ	47	32	42·6	33·9	38·4	+ 0·2	2	30	7	2·71	+ 1·66	4·6	+ 1·6	9	+ 2
	Fort William Ⓢ	47	33	44·2	36·6	40·6	+ 2·3	6	22	7	3·70	+ 1·53	3·1	− 2·3	6	− 6
1. SCOTLAND E.	Nairn	45	28	43·0	32·6	38·0	+ 0·9	3	35	4	0·40	− 0·04	*	*	*	*
	Aberdeen	47	29	42·6	34·4	38·7	+ 1·3	2	28	4	0·33	− 0·22	10·8	− 1·0	21	− 2
	Braemar Ⓢ	42	27	38·5	30·6	34·7	+ 0·5	0	51	5	1·05	+ 0·32	8·8†	+ 4·3†	17†	+ 8†
	Ochtertyre Ⓢ	46	31	42·7	33·7	38·4	+ 2·0	2	31	6	1·40	+ 0·30	*	*	*	*
	Leith	50	33	45·0	36·7	41·0	+ 2·1	8	22	6	0·31	− 0·09	*	*	*	*
	Marchmont Ⓢ	47	30	42·7	36·3	39·6	+ 3·5	2	21	4	0·30	− 0·30	11·5	+ 2·3	22	+ 4
2. ENGLAND, N.E.	Alnwick Castle	50	32	44·6	34·1	39·6	+ 2·1	7	31	4	0·24	− 0·26	*	*	*	*
	Durham	48	30	41·8	31·7	37·0	+ 0·5	0	35	4	0·17	− 0·28	12·5	+ 2·5	23	+ 4
	Shields	50	33	43·3	34·0	38·8	+ 0·6	4	30	4	0·13	− 0·29	*	*	*	*
	Scarborough Ⓜ															
	Spurn Head	46	30	44·4	34·4	39·6	+ 1·8	7	30	3	0·31	− 0·01	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	47	28	42·2	30·4	36·5	− 0·1	1	42	5	0·76	+ 0·30	9·6	− 0·6	17	− 2
	Yarmouth	45	30	41·1	32·3	36·9	− 0·3	0	36	5	0·53	+ 0·07	*	*	*	*
	Geldeston	48	29	42·9	31·7	37·5	− 0·2	3	38	5	0·49	+ 0·11	8·7	− 5·0	12	− 9
	Cambridge	51	28	45·8	32·0	39·2	+ 2·0	11	40	5	0·53	+ 0·18	12·6	+ 1·6	22	+ 4
	Felixstowe	46	30	42·2	33·6	38·1	+ 0·4	1	31	5	0·61	?	8·3†	?	14†	?
	Rothamsted	50	27	44·9	31·7	38·6	+ 1·8	8	40	6	0·61	+ 0·04	8·8	− 1·3	15	− 3
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	49	32	43·6	33·9	38·9	+ 1·7	4	31	5	0·34	− 0·08	*	*	*	*
	Loughborough	50	32	45·0	34·4	39·9	+ 2·5	8	30	5	0·52	+ 0·07	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	48	32	42·8	32·4	37·8	+ 1·5	2	36	6	0·70	+ 0·07	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	49	32	44·7	34·2	39·7	+ 3·3	8	31	5	0·53	?	10·4	?	18	?
	Churchstoke Ⓜ	49	28	45·0	34·4	39·9	+ 2·5	8	30	5	0·47	− 0·16	13·3	+ 3·1	24	+ 5
	Hereford (Belmont) Ⓜ	51	33	46·8	35·5	41·4	+ 3·2	13	28	6	0·39	− 0·19	*	*	*	*
	Cirencester	48	30	46·9	32·3	39·9	+ 2·7	14	39	5	0·62	− 0·08	15·5	+ 4·3	27	+ 7
	Oxford	50	32	46·1	35·1	40·8	+ 2·7	11	28	5	0·47	− 0·03	15·6	+ 5·0	27	+ 8
5. ENGLAND, S.	London	51	26	46·1	33·3	40·0	+ 1·3	11	35	5	0·73	+ 0·25	8·7†	+ 3·1†	15†	+ 5†
	Cranley Ⓜ	51	27	46·6	31·4	39·3	+ 0·9	13	42	4	0·83	+ 0·26	*	*	*	*
	Dungeness	47	31	45·1	35·1	40·3	+ 1·2	8	28	6	1·11	+ 0·55	*	*	*	*
	Hastings (St. Leonards)	49	32	45·2	35·4	40·5	+ 1·4	9	27	6	1·18	+ 0·56	8·0	− 5·5	14	−10
	Southampton	51	31	48·6	36·1	42·6	+ 3·3	29	17	6	1·22	+ 0·49	15·3	+ 3·7	26	+ 5
	Portland Bill	50	36	48·6	40·3	44·6	+ 3·7	25	5	6	1·62	?	*	*	*	*
	Shaftesbury Ⓜ	49	31	46·6	34·8	40·9	+ 3·9	13	30	7	1·21	+ 0·51	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	34	45·4	36·4	41·1	+ 1·4	10	23	7	3·90	+ 1·96	*	*	*	*
	Glasgow	48	35	43·3	36·7	40·1	+ 1·8	4	20	7	1·32	+ 0·42	9·4	+ 4·5	18	+ 8
	Glenlee Ⓢ												*	*	*	*
	Douglas (Isle of Man)	50	34	46·4	38·7	42·7	+ 2·5	19	9	6	0·97	+ 0·03	15·3	+ 4·3	28	+ 7
7. ENGLAND, N.W.	Newton Reigny															
	Stonyhurst	47	34	42·0	34·9	38·6	+ 1·2	0	24	6	1·67	+ 0·75	3·4	− 4·8	6	− 9
	Blackpool Ⓜ	49	34	46·2	37·3	41·9	+ 4·0	12	20	6	0·94	+ 0·29	9·5	+ 1·1	17	+ 2
	Manchester (Prestwich)	48	32	43·1	34·0	38·7	+ 1·0	3	30	6	1·29	+ 0·59	2·7	?	5	?
	Liverpool Obsy. (Bidston)	50	35	45·4	36·6	41·2	+ 2·1	10	23	6	0·74	+ 0·24	6·4	?	11	?
	Llandudno Ⓜ	51	38	46·2	40·1	43·3	+ 2·2	17	5	3	0·59	− 0·03	10·1	+ 0·3	18	0
	Holyhead	49	39	46·9	40·3	43·7	+ 1·7	19	5	5	0·92	+ 0·18	*	*	*	*
8. ENGLAND, S.W.	Llandovery	49	28	47·6	33·7	40·9	+ 3·3	16	35	7	1·52	+ 0·35	*	*	*	*
	Pembroke	50	42	49·1	43·6	46·5	+ 4·4	32	0	7	1·06	+ 0·21	14·9	+ 2·9	26	+ 5
	Clifton	49	35	47·3	38·1	42·9	+ 3·6	23	11	5	1·00	+ 0·22	*	*	*	*
	Arlington (N. Devon)	49	36	47·1	38·0	42·7	+ 2·7	22	11	7	2·48	+ 1·52	*	*	*	*
	Cullompton Ⓜ	51	32	49·0	39·1	44·3	+ 4·8	28	8	7	1·23	+ 0·58	6·5	− 3·2	11	− 6
	Falmouth	53	40	49·9	42·6	46·4	+ 3·2	31	0	7	2·05	+ 0·87	10·3	− 2·3	17	− 4
	Plymouth	53	36	50·7	39·9	45·5	+ 3·9	33	6	6	1·34	+ 0·45	8·1	− 3·1	14	− 5
9. IRELAND, N.	Malin Head	47	32	44·0	36·4	40·4	− 0·9	6	22	7	1·13	?	*	*	*	*
	Londonderry	48	33	44·7	35·0	40·0	0·0	8	27	7	1·31	+ 0·41	*	*	*	*
	Edenfel (Omagh)	47	30	43·7	33·1	38·6	+ 0·9	5	34	7	1·10	+ 0·30	*	*	*	*
	Blacksod Point	51	35	47·6	38·6	43·3	+ 0·5	23	10	7	2·00	?	*	*	*	*
	Markree Castle	48	30	46·7	34·0	40·6	+ 1·4	13	33	7	1·37	+ 0·52	20·3	+10·8	37	+19
	Armagh	49	34	45·3	35·0	40·4	+ 1·7	9	29	7	0·56	− 0·07	22·8	+13·0	41	+22
	Donaghadee	50	33	44·6	35·0	40·0	− 0·1	7	28	5	0·43	− 0·25	*	*	*	*
10. IRELAND, S.	Dublin	53	35	47·5	37·9	42·9	+ 1·6	24	11	5	0·45	− 0·07	21·0	+ 7·8	38	+14
	Parsonstown	50	31	46·6	34·3	40·7	+ 1·1	13	32	7	0·82	+ 0·12	21·4	+10·0	38	+17
	Kilkenny	50	30	47·4	34·1	41·0	+ 0·1	15	33	7	0·74	− 0·05	*	*	*	*
	Roche's Point	52	37	49·6	40·0	45·0	+ 1·9	29	6	7	1·00	− 0·20	*	*	*	*
	Valencia	53	37	50·7	40·3	45·7	+ 1·0	33	5	7	2·06	+ 0·64	11·0	− 1·6	19	− 3
	Killarney	53	31	49·5	36·3	43·2	− 0·1	32	16	7	1·65	?	*	*	*	*
	Foynes	50	36	48·0	39·2	45·8	+ 2·7	24	8	7	1·13	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	43	52·7	45·7	49·3	+ 3·8	51	0	7	0·92	+ 0·09	10·6	?	18	?
	Jersey	53	35	50·6	39·9	45·5	+ 3·6	33	6	7	1·79	+ 1·06	8·9	− 6·9	15	−12

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

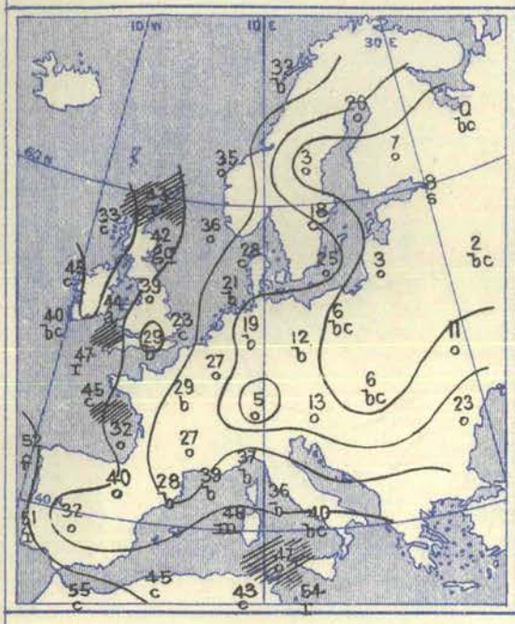
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

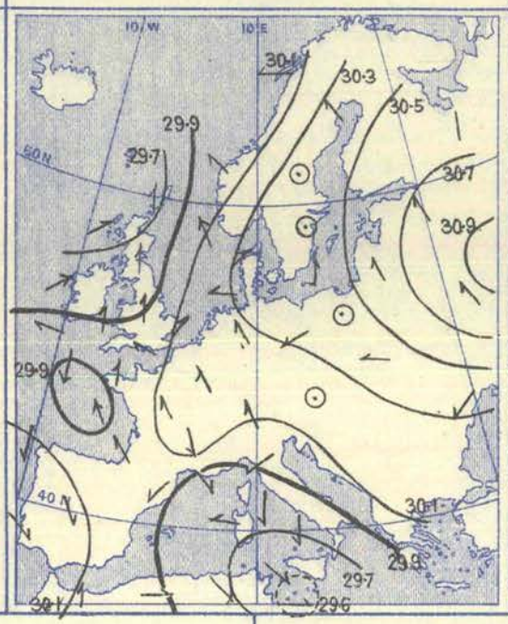
NOTE.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 14th January.

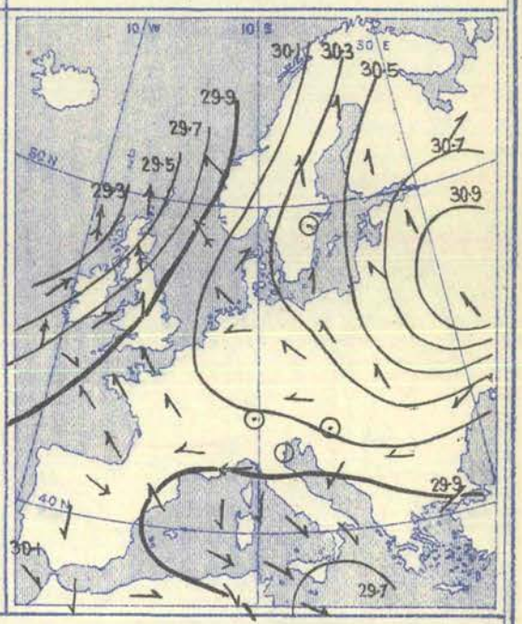
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over Russia as a whole, and clear in many parts of central Europe and France, as well as at most of the Mediterranean stations; fine over the southern half of the British Islands, but changeable in the south-west and west. Rain later in almost all parts of the Kingdom—some amounts considerable—and slight snow in a few places. Bright lunar halo seen over England at night.

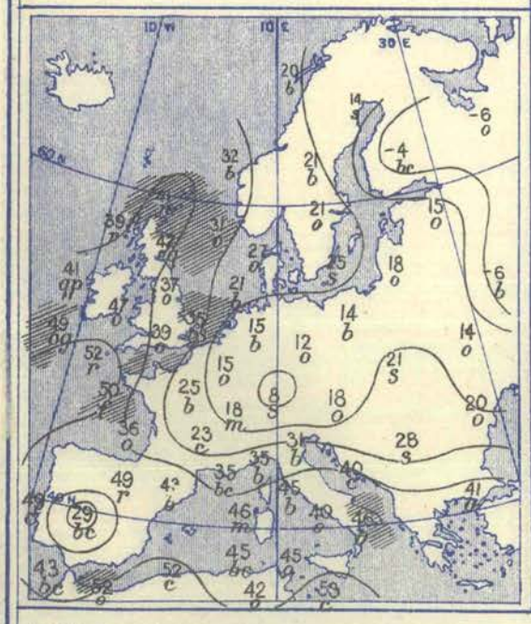
Temperature fallen. Morning readings highest, 54° at Malta, 55° at Nemours, 45° at Algiers, 47° at Scilly, 45° at Brest, 44° at Holyhead. Lowest, (1) 0° Fahr. at Archangel, 2° at Moscow, 3° at Kharkov; (2) 5° at Munich, 6° at Lemberg, 8° at Breslau; (3) 29° at Paris and in London (air very keen), 31° at Parsonstown, 33° at Loughborough. Rising later to 50° at Blacksod, to 51° at Valencia, 52° at Scilly, to 54° at Cagliari, and 63° at Oran.

Wind (1) light to moderate, and for the most part anticyclonic, over Continental Europe; (2) South-Easterly to Southerly over Great Britain; Northerly at Scilly and at Roche's Point; (3) Northerly to Westerly over the Mediterranean; a Southerly wind, strong to a gale, setting in over Ireland, Wales and Scotland at night, and blowing very hard in Scotland.

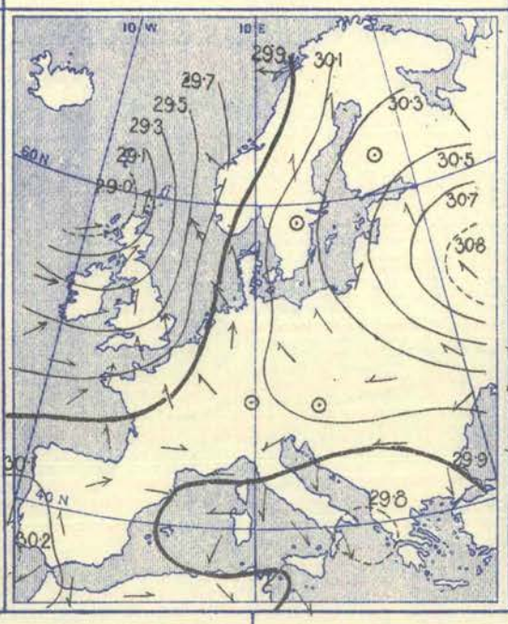
Barometer (1) 30·88 ins. at Moscow, and exceeding 30·0 ins. over all the northern and eastern countries; (2) 30·45 ins. in the Azores, and 30·2 ins. to 30·0 ins. over the Spanish Peninsula. Lowest, (1) below 29·6 ins. in a depression over Malta; (2) below 29·7 ins. over the Hebrides and north-west of Scotland, and below 29·9 ins. in a shallow depression at the mouth of the English Channel. Latter disturbance moving southwards later; new large disturbances advancing towards Scotland from the south-westward.

Monday, 15th January.

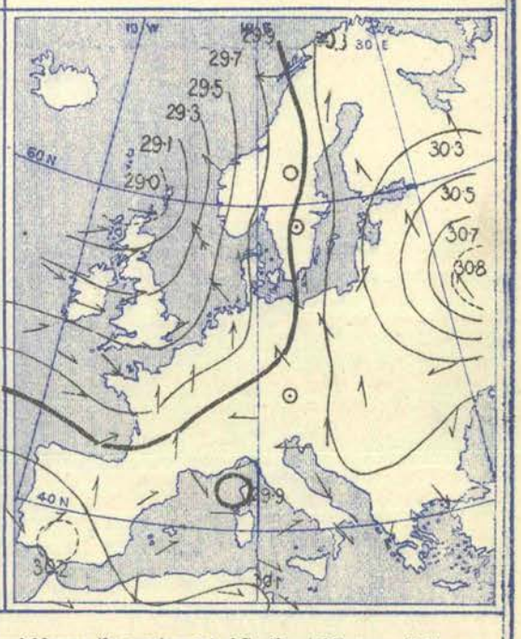
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Russia and also over the Mediterranean, the Spanish Peninsula, and over many parts of France. Snow falling over Hungary, rain at many stations in our Islands and the English Channel; fog prevalent in Brittany. Rain falling very generally later, except in Norway—heavily in some localities. Lunar halos seen very generally over England at night.

Temperature risen several degrees over our Islands and Sweden. Morning readings highest, (1) 53° at Malta, 52° to 50° on the Algerian coast; (2) 52° at Scilly, 50° at Brest, 49° at Valencia (Ireland) and at Lisbon, 47° at Portland Bill, 44° at Wick, 41° at Sumburgh Head. Lowest, (1) – 6° Fahr. at Moscow and Archangel, – 4° at Kupio; + 15° at St. Petersburg; (2) 8° at Munich, 10° at Prague, 15° at Cuxhaven, 18° at Belfort, 28° at Paris; (3) 35° at Yarmouth. Changing very fitfully later, but touching 53° at Scilly, 54° at Rochefort, and 57° at Perpignan.

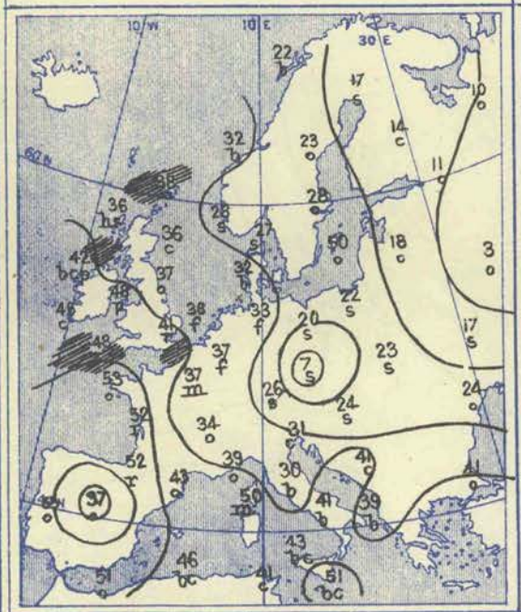
Wind (1) light to moderate and variable over the greater part of Continental Europe; (2) Strong from West in Ireland, South-West and South over Great Britain, and South-East in the west of Norway. Varying much between north-west and west-south-west in Ireland later; backing at night.

Barometer highest, (1) 30·89 ins. at Moscow, and exceeding 30·0 ins. over the eastern countries of Europe generally; (2) 30·47 ins. in the Azores, and exceeding 30·0 ins. over Portugal and the west and south of Spain. Lowest, below 29 ins. in the Hebrides and extreme north-west of Scotland, (2) below 29·8 ins. in a shallow depression over the Balkan Peninsula. Rising in our Islands later, but rise ceasing in the west of Ireland at night.

Tuesday, 16th January.

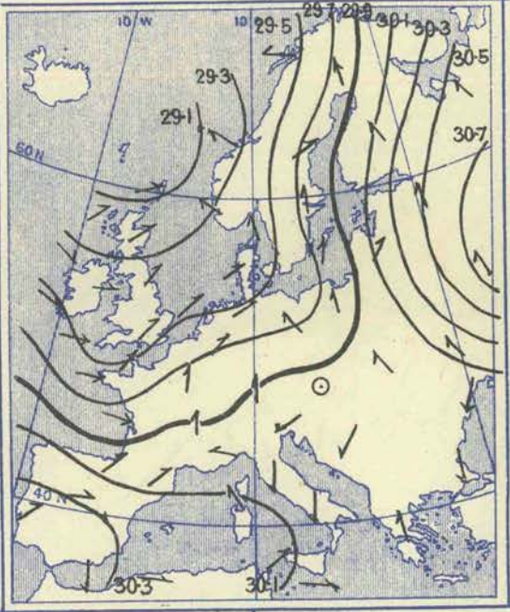
Temperature and Weather.

8 a.m.

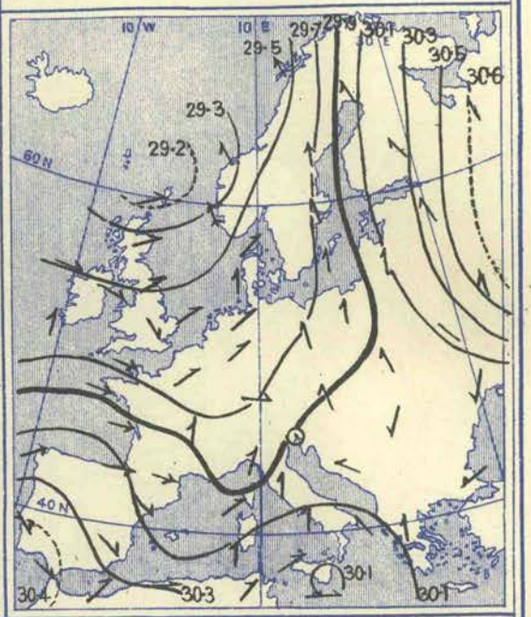


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the north-west of Norway, and also over the eastern and southern shores of the Mediterranean; dull as a whole elsewhere. Snow over the south of Russia and central Europe; rain in France and our Islands; sleet showers at Stornoway. Rain later in all parts of France, England and Ireland; local showers in Scotland and some parts of Scandinavia. Heavy rainfall at Munich.

Temperature highest, (1) 51° at Malta and Oran; (2) 52° to 53° in the west and north-west of France, 48° at Scilly, 46° at Portland and Valencia, 43° at Holyhead. Lowest, (1) 3° Fahr. at Moscow, 10° at Archangel, 14° both at Kuopio and Kharkov; (2) 7° at Prague, 15° at Breslau, 16° at Swinemunde, 18° at Riga; (3) 37° at Paris, 39° at Loughborough, 36° at Aberdeen. Rising later to 40° and more almost all over our Islands, to between 50° and 54° on our south-west coasts, and to between 54° and 55° on the west coast of France, but changing irregularly inland during day.

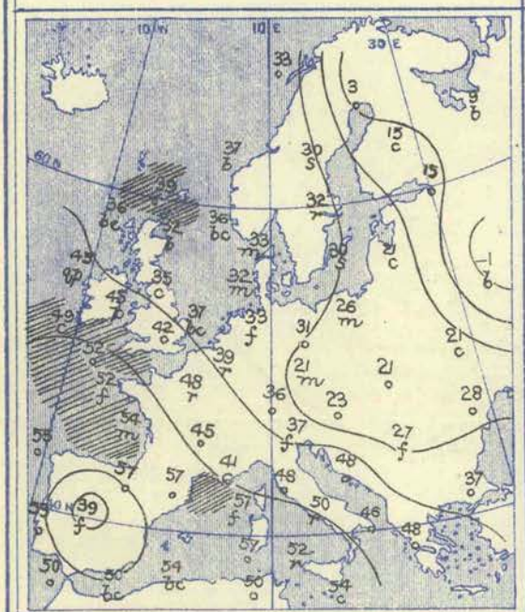
Wind South-Easterly over Russia, Norway and eastern Germany; Southerly over France and western Germany and England; North-Westerly in Ireland and St. George's Channel; South-Westerly in Scotland. Backing to West and South in Ireland later; veering to North-West over England and France.

Barometer highest, (1) 30·75 ins. at Moscow, and exceeding 30·0 ins. all over Russia and south-eastern Europe; (2) 30·42 ins. in the Azores, and 30·3 ins. to 30·0 ins. over the Iberian Peninsula generally. Lowest, below 29·1 ins. in a depression off our northern coasts, and 29·4 ins. to 29·5 ins. in a "V"-shaped secondary advancing across England. Latter disturbance passing to North Sea later, but a new disturbance approaching Ireland subsequently.

Wednesday, 17th January.

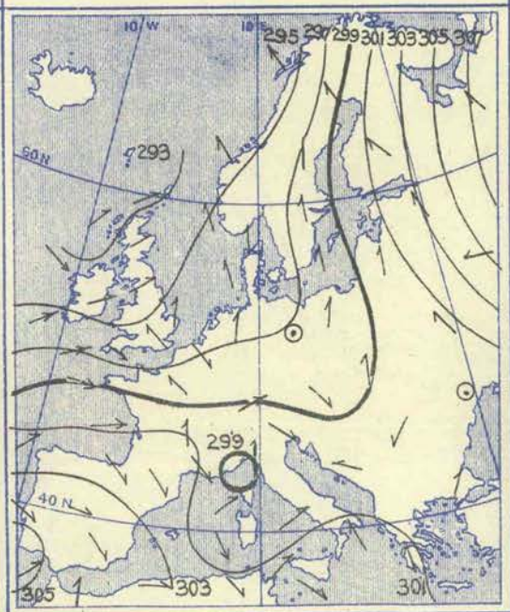
Temperature and Weather.

8 a.m.

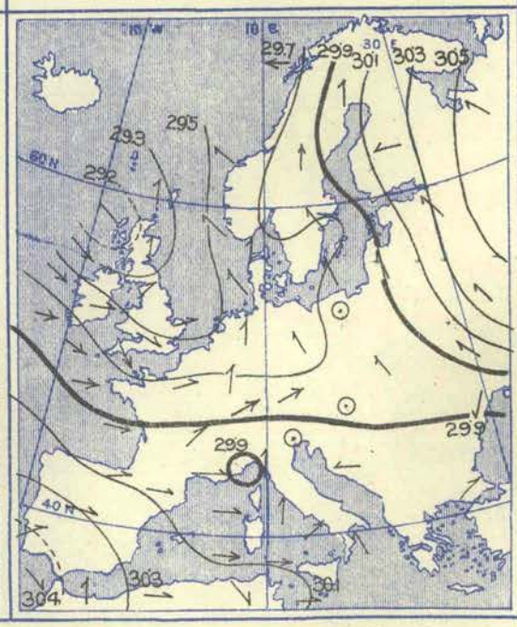


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in Scotland, fair over eastern and northern Europe, slight snow at Breslau, and rain in almost all parts of France and England; thunderstorm at Roche's Point. Unsettled over the Mediterranean with rain at Naples and Palermo. Rain, hail or sleet later in all parts of the British Isles and France, and in nearly all parts of Scandinavia, but amounts not large except at Rochefort.

Temperature in morning highest, (1) 57° at Perpignan, 54° at Malta and Algiers, 53° at Trieste, (2) 57° at Biarritz, 52° at Brest and Scilly, 49° at Valencia (Ireland) and Portland, 45° at Blacksod Point, Holyhead and Dungeness. Lowest, (1) − 1° at Moscow, + 3° at Uleaborg, 14° at Kharkov, (2) 20° to 30° over Germany and Austro-Hungary; (3) 32° at Aberdeen, 36° at Loughborough, 37° at Parsonstown. Rising later to 50° and more in many parts of England to 55° at Paris, and 63° at Perpignan.

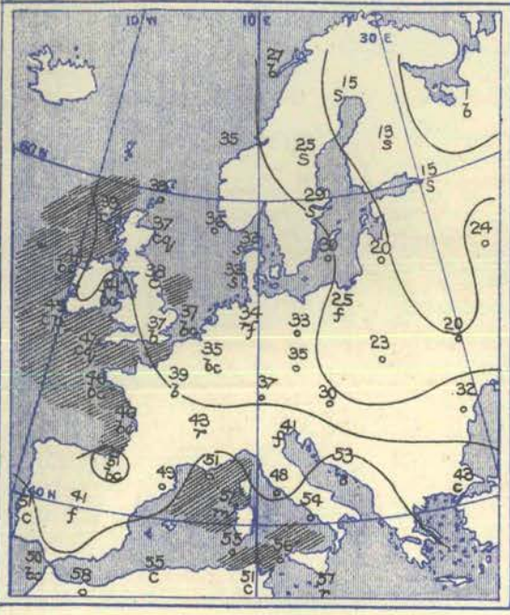
Wind (1) light to moderate and anticyclonic over the greater part of Continental Europe, Southerly to Westerly over our Islands (South-East over Central England) and blowing freshly at our western stations, strongly over the English Channel and Bay of Biscay. Becoming strong to a gale from North-West in Ireland later.

Barometer highest, (1) 30·7 ins. at Archangel and exceeding 29·9 ins. over Russia generally, (2) 30·47 ins. over the Azores, and 30·5 ins. to 30·0 ins. over the Spanish Peninsula and south-west of France. Lowest, (1) 29·3 ins. and less over the northern parts of Ireland and Scotland, (2) 29·9 ins. and less in a depression over the north-east of the Mediterranean. Rising fast in Ireland later, falling over Scotland and the North Sea.

Thursday, 18th January.

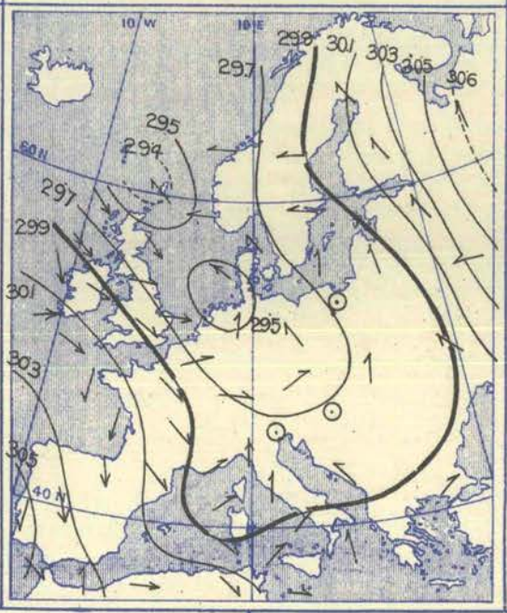
Temperature and Weather.

8 a.m.

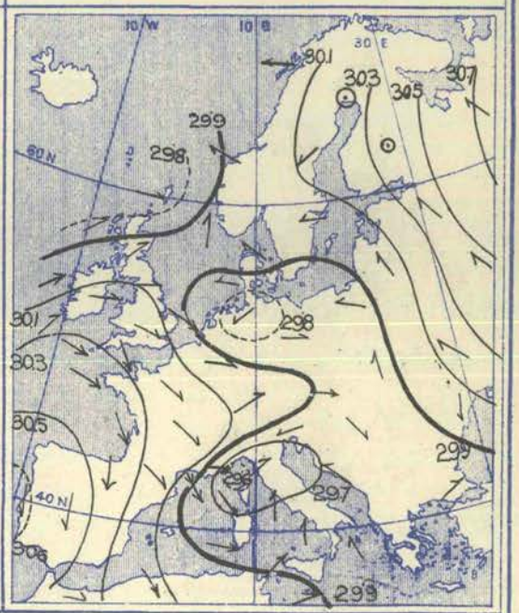


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning (1) fine as a whole over the United Kingdom and neighbourhood (excepting slight local squalls and showers in the far west); rainy over the southern parts of France; (2) dull and unsettled over northern and eastern Europe, with snow at many of the northern stations. Rain setting in again later at our extreme western stations, and spreading eastwards and northwards; amount at Valencia large; remaining cold and fine over the eastern parts of England.

Temperature fallen all over western, risen over central Europe. Morning readings highest, 57° at Malta and Algiers, 51° at Biarritz, 47° at Valencia, 45° at Blacksod Point. Lowest, (1) 1° at Archangel, 13° both at St. Petersburg and Kharkov: below the freezing point all over Russia and eastern Hungary; (2) 30° at Paris, 37° to 39° over England. Rising later to 45° and more over the major part of Great Britain, to 50° and more on our south-west coasts, 53° to 55° in the south-west of France.

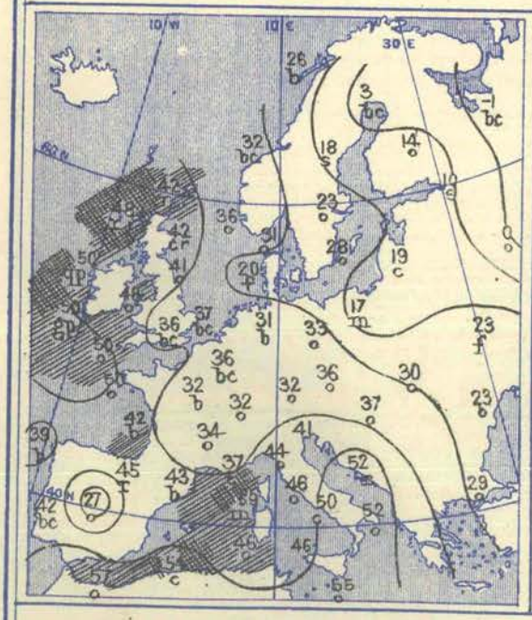
Wind (1) South-Easterly, moderate over Russia and northern Europe; (2) North-Westerly and strong over our Islands and the north of France; Northerly in the south of France (a gale at Malin Head and Liverpool). Backing to South-West in Ireland and Scotland later, and (after falling light) increasing in force.

Barometer highest, (1) 30·62 ins. at Archangel, and exceeding 30·0 ins. over the greater part of Russia (mainly in the north-eastern part); (2) 30·52 ins. at Lisbon, and exceeding 30·1 ins. all over Spain, the Bay of Biscay, the west of France and extreme south-west of our Islands. Lowest, (1) 29·39 ins. at Sumburgh Head and 29·5 ins. and less over the extreme north-east of Scotland; (2) 29·5 ins. and less in another depression lying over the south-eastern parts of the North Sea. Rising over our Islands later, but a fresh fall setting in over the extreme west of Ireland at night.

Friday, 19th January.

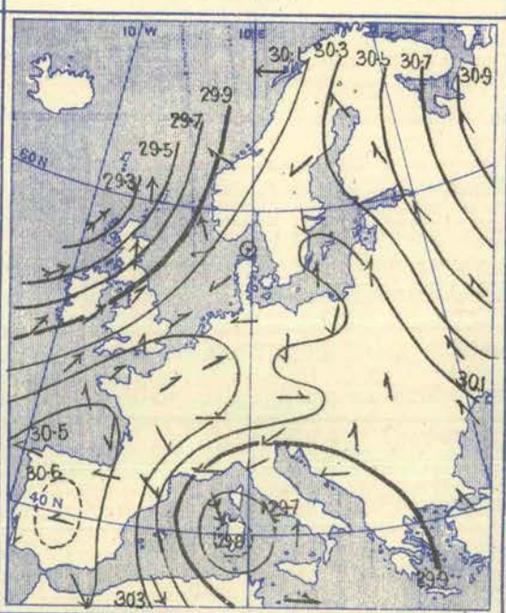
Temperature and Weather.

8 a.m.

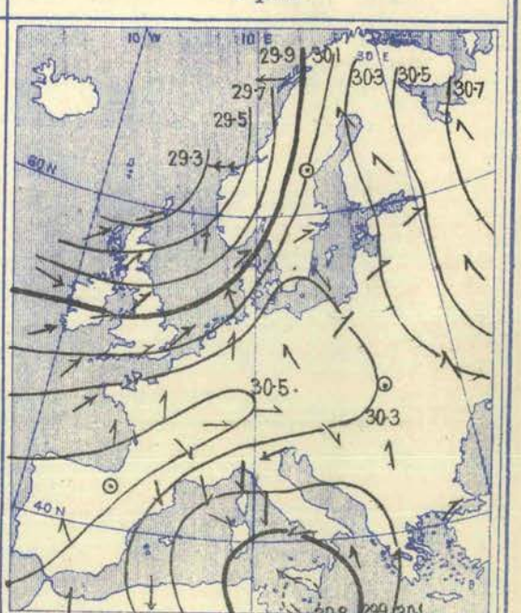


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the most northern parts of Europe; dull over the main part of Russia and central Europe; fine over the north of France and south of England and over Spain; foggy over Denmark; very dull and rainy over the western and northern parts of the British Isles. Rain later over the whole of the British Isles and their neighbourhood (but not large in quantity) as well as at some of the Continental stations and Aumale; hail at Blacksod Point and Stornoway; lightning at Wick. Aurora very general over the northern parts of the Kingdom.

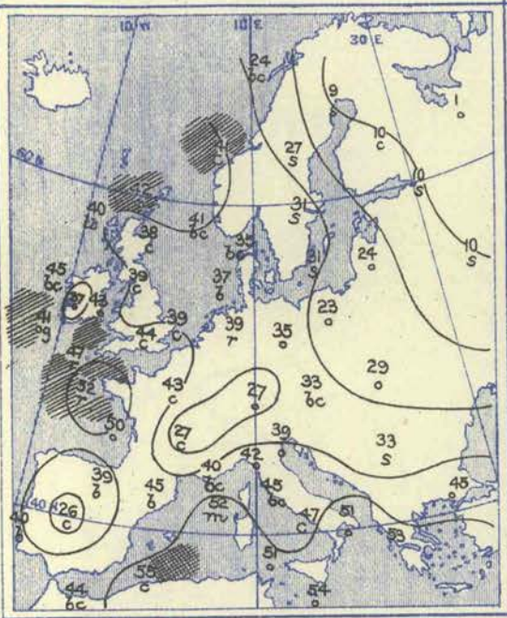
Temperature highest, 54° at Algiers, 55° at Malta, 57° at Oran, 52° at Brindisi and Lesina, 50° at the mouth of the Channel and on the west coast of Ireland, 48° at Stornoway, 46° at Malin Head, Portland Bill, and at Cagliari. Lowest, (1) −1° Fahr. at Archangel, 0° zero at Moscow, 19° at Riga, 23° at Kieff; (2) 32° at Prague, Munich and Paris, 36° in London; (3) 37° at Nice, 39° at Toulon. Rising later to 50° or more in several parts of Ireland, England, and 52° at Brest, to 54° at Nice, but not exceeding 44° at Paris, 59° at Brindisi, 63° at Nemours.

Wind (1) very light and mainly anticyclonic over Russia, central Europe and the Spanish Peninsula; (2) South-Westerly to Southerly over the British Isles—strong to a gale in the west and north, light in the south-east; (3) Easterly in the Riviera and blowing very strongly (cyclonically) over the Mediterranean. No great change later.

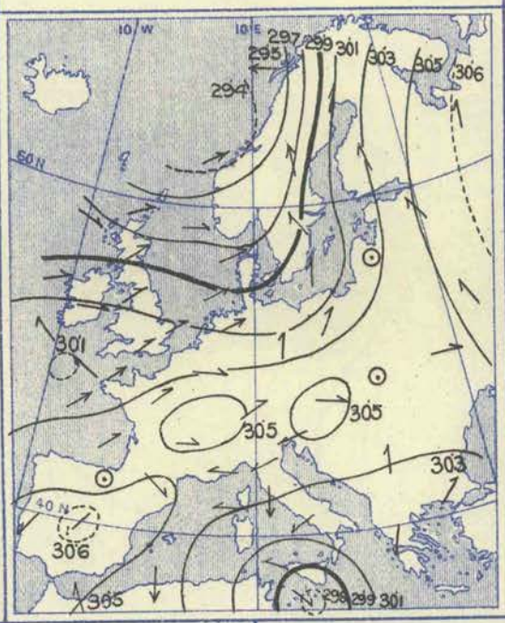
Barometer highest, (1) 30·91 ins. at Archangel, and exceeding 30·2 ins. all over Russia. (2) 30·65 ins. at Madrid, and exceeding 30·2 ins. all over France and the south of England. Lowest, (1) 29·25 ins. at Stornoway, and below 29·7 ins. all over Scotland and the north of Ireland; (2) 29·6 ins. and less in a deep depression over Sardinia. Northern depression moving north-eastwards later.

Saturday, 20th January.

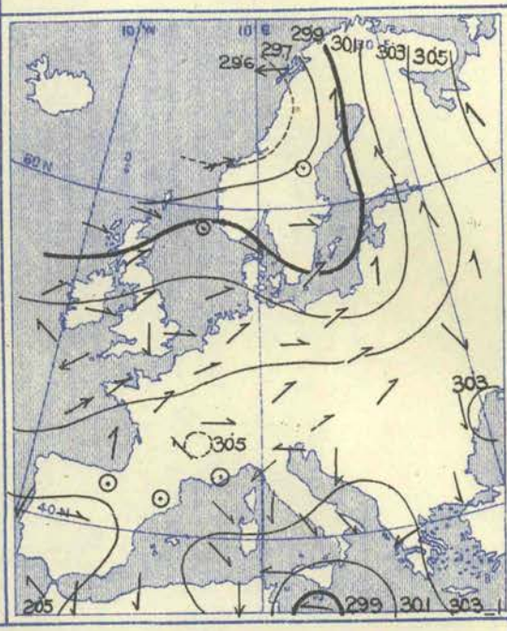
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair as a whole over south-western and southern Europe, rather unsettled over Russia, with snow in several places, fair over the northern parts of the British Isles, unsettled in the south and in the north-west of France, foggy at Havre. Rain later in the latter districts—the measurement at Jersey being large—and considerable quantities of rain and snow over northern Europe. Dense fog in London at night.

Temperature very changeable—fallen fast in Ireland. Morning readings highest, (1) 54° at Malta, 55° at Algiers, 51° at Brindisi; (2) 50° at Rochefort and Jersey, 47° at Scilly; lowest, 1° Fahr. to 10° over the greater part of Russia, 18° at Warsaw, 27° at Munich, 29° at Breslau; (2) 37° at Parsonstown and Loughborough, 39° at Liverpool, Shields and Spurn Head. Exceeding 50° on the south coast of Ireland during the day, but falling at night to 25° at Oxford, 29° in London and 30° at Yarmouth.

Wind moderate to fresh from West-South-West at our northern stations, South-West to South over the countries lying to the eastward of the North Sea, but South-Easterly at Scilly, North-Westerly at Roche's Point, light and anticyclonic over France, Spain and Hungary. Becoming Easterly for a short time at our southern stations later.

Barometer highest, (1) 30·6 ins. and more to 30·4 ins. over the north-east of Russia and also over Spain. (2) 30·5 ins. and more in anticyclones over Austria and the southern half of France. Lowest, (1) 29·4 ins. and less to 29·6 ins. over the Shetlands and the north-west of Norway, (2) about 30·1 ins. in a minute depression lying a little to the westward of the Scilly Islands; (3) a depression near Malta. The larger northern disturbance filling up later; the latter small system moving eastwards into the English Channel.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was high (30·8 ins. and more to 30·5 ins.) over Russia, and was less high (30·45 ins.) at the Azores, and 30·2 ins to 30·0 ins. over the Peninsula. The depressions which appeared off our north-western and northern coasts brought comparatively little wind, but frequent rain, which the secondaries by which they were accompanied caused to spread, almost daily, over England and Ireland. In the intervals the temperature fell considerably, and on Wednesday night they developed into a complete "hollow" over the North Sea, having one minima of 29·4 ins. and less to 29·5 ins. over the Shetlands, and another (29·5 ins.) over the southern parts of the North Sea.

The Russian anticyclone was now receding in a north-easterly direction, but the Atlantic one was increasing and spreading over Spain (Barometer 30·6 ins. at Lisbon on Thursday evening), and, as after this both the north-eastern and south-western systems began to give way a little, the depressions which came over our western and northern districts became deeper, and the general appearance in the British Islands more favourable for milder, stronger winds and increasing rain. On Saturday night dense fogs were recorded in London.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 14.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	7·0	?	15	?	BRIGHTON	12·5	+ 1·1	22	+ 2
STRATHPEFFER SPA	12·1	+ 5·2	24	+10	WORTHING	13·3	?	23	?
EDINBURGH	10·3	+ 2·9	20	+ 5	BOGNOR	11·5*	?	20*	?
MORPETH	13·1	?	24	?	WATERGATE (Emsworth)	14·6	?	25	?
NEWCASTLE-ON-TYNE	8·8	?	16	?	WESTBOURNE (Emsworth)	14·8*	?	26*	?
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	16·9	?	29	?
YORK	7·1	+ 0·4	13	+ 1	SOUTHPORT	10·1	?	18	?
LOWESTOFT	5·5	?	10	?	RHYL	8·5*	?	15*	?
HOLLESLEY BAY	7·3	?	13	?	COLWYN BAY	5·5	?	10	?
SHEFFIELD	9·4	?	17	?	ABERDOVEY	13·8*	?	25*	?
WORKSOP	6·9	- 1·3	12	- 3	TENBY	15·7	+ 2·7	27	+ 4
THURCASTON (Leicestershire)	13·1	+ 4·1	23	+ 7	NEWQUAY	6·8	- 6·0	12	- 8
MARGATE	5·8	- 4·0	10	- 7	TORQUAY	10·9	- 2·6	18	- 5
EASTBOURNE	8·0	- 4·2	14	- 7	GUERNSEY	5·0*	- 6·0	8*	-11

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No. 4.] *Third Series.* WEEK ENDING SATURDAY, JANUARY 27TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 20.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	53	28	46·3	36·5	41·6	4 above	12	+ 5	24	−19	19	− 5	106	−65
	1. SCOTLAND, EAST	55	26	47·2	36·6	42·1	5 above	23	+15	15	−30	24	− 4	114	−64
	2. ENGLAND, N.E.	55	31	48·3	37·6	43·2	5 above	27	+21	12	−29	32	+ 8	99	−65
	3. ENGLAND, EAST	53	23	48·3	37·1	42·9	5 above	27	+20	14	−34	36	+10	112	−78
	4. MIDLAND COUNTIES	54	23	48·8	37·0	43·1	5 above	29	+20	14	−34	41	+ 8	103	−85
	5. ENGLAND, SOUTH	53	27	49·1	39·1	44·3	5 above	28	+19	8	−31	68	+29	80	−74
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	53	34	48·2	39·1	43·9	4 above	25	+15	8	−25	41	+ 4	73	−56
	7. ENGLAND, N.W.	55	29	47·8	39·4	43·8	5 above	24	+16	7	−28	39	+ 9	69	−68
	8. ENGLAND, S.W.	53	25	49·6	41·3	45·6	5 above	28	+14	2	−26	88	+34	44	−67
	9. IRELAND, NORTH	52	31	48·3	38·9	43·8	3 above	26	+13	9	−19	58	+10	75	−39
	10. IRELAND, SOUTH	56	30	50·1	41·4	46·0	4 above	31	+12	2	−20	98	+26	59	−32
	—CHANNEL ISLANDS	54	43	52·0	45·8	49·0	5 above	49	+29	0	−13	153	+69	0	−50

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 20.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	24	12 more	25	+ 4	7·2	+ 2·1	4	− 3	8	− 6	21	0	10	0
	1. SCOTLAND, EAST	4	4	3 less	21	+ 6	3·5	+ 0·9	10	0	19	0	37	+ 5	18	+ 2
	2. ENGLAND, N.E.	2	1	4 less	16	+ 1	2·0	+ 0·2	7	− 3	13	− 5	42	+ 5	19	+ 3
	3. ENGLAND, EAST	5	6	1 more	20	+ 4	2·8	+ 1·3	9	− 4	15	− 8	45	+ 1	20	+ 1
	4. MIDLAND COUNTIES	4	5	1 less	19	+ 4	3·4	+ 1·2	7	− 4	11	− 8	37	0	18	0
	5. ENGLAND, SOUTH	5	5	2 less	19	+ 4	3·2	+ 0·8	9	− 3	15	− 5	48	+ 3	20	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	20	6 more	26	+ 8	7·1	+ 1·6	6	− 3	11	− 6	39	+ 7	19	+ 4
	7. ENGLAND, N.W.	6	11	4 more	22	+ 6	4·2	+ 1·4	6	− 3	10	− 5	38	+ 2	17	+ 1
	8. ENGLAND, S.W.	6	12	3 more	25	+ 8	5·7	+ 2·0	10	− 3	16	− 5	54	+ 5	23	+ 2
	9. IRELAND, NORTH	7	11	3 more	27	+ 8	4·2	+ 1·1	11	0	20	0	59	+19	28	+ 9
	10. IRELAND, SOUTH	6	9	1 less	25	+ 8	4·6	+ 0·9	11	− 2	18	− 5	53	+ 3	24	+ 1
	— CHANNEL ISLANDS	6	8	1 less	27	+ 8	5·4	+ 2·3	12	− 4	19	− 8	53	− 1	22	− 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was mild, dull, and rather unsettled in all parts of the Kingdom, but very so in the west and north. Rain fell daily at many western and north-western stations, and at frequent intervals elsewhere. At the end of the week the rain had given place to sleet or snow in the north, and to hail in the north-west.

Temperature was above the mean in all districts, the excess ranging from 3° in Ireland N. to 5° in most other localities. The highest of the maxima were recorded during the earlier or middle part of the week, when they ranged from 56° in Ireland S., and from between 53° and 55° in Great Britain, to 52° in Ireland N. The lowest of the minima, which were registered on the 21st in general, but, on the 27th, at most of the Scotch stations, ranged from 23° in England E. and the Midland Counties, and 25° in England S.W., to 34° in Scotland W., and 43° in the Channel Islands.

Rainfall was rather more than the mean in nearly all the western districts, as well as in England E., and much more in Scotland N. In the south and north-east of Great Britain it was less, as well as in Ireland S. and the Channel Islands.

Bright Sunshine was less than the mean in almost all parts of the Kingdom. The percentage of the possible duration ranged from 20 in Ireland N. and 19 in the Channel Islands and Scotland E. to 11 in the Midland Counties and Scotland W., to 10 in England N.W., and 18 in Scotland N.

Barometer and Wind.—Large depressions advanced over the north of our area from the Atlantic and smaller (secondaries) directly over the Kingdom, those observed on the 21st and 24th being "V"-shaped. Southerly to Westerly and North-Westerly winds were consequently prevalent, and at times blew very strongly or with the force of a gale in various places. By the end of the week the centre of a disturbance was passing eastwards off the north of Scotland and filling up, while a new complex system was being formed over England and moving south-eastwards.

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II.—DATA from which the SUMMARY on page 19 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	30	45·9	36·6	41·4	+ 2·3	11	23	7	1·38	+ 0·51	*	*	*	*
	Stornoway	52	30	46·9	37·3	42·3	+ 3·4	22	13	7	1·95	+ 0·83	2·2	- 5·6	4	-11
	Wick	52	32	46·4	36·0	41·4	+ 3·5	12	25	6	0·43	- 0·07	*	*	*	*
	Lairg Ⓢ	49	28	45·1	34·3	39·9	+ 3·2	9	3	7	2·18	+ 1·38	*	*	*	*
	Glencarron Ⓢ	51	31	45·9	36·8	41·5	+ 4·3	11	22	7	4·71	+ 2·50	*	*	*	*
	Fort Augustus Ⓢ	51	29	46·7	35·9	41·0	+ 2·8	13	23	7	2·52	+ 1·52	4·4	+ 0·4	8	0
	Fort William Ⓢ	53	32	47·5	38·9	43·4	+ 5·0	23	9	7	3·61	+ 1·47	1·8	- 5·1	3	-10
1. SCOTLAND E.	Nairn	54	30	47·9	36·4	42·4	+ 5·2	26	16	5	0·60	+ 0·20	*	*	*	*
	Aberdeen	55	33	47·1	36·9	42·2	+ 4·6	37	14	4	0·08	- 0·50	14·9	+ 2·0	28	+ 4
	Braemar Ⓢ	49	26	43·8	32·6	38·4	+ 4·0	5	36	6	0·47	- 0·26	7·5†	+ 1·3†	14†	+ 2†
	Ochtertyre Ⓢ	54	27	48·0	36·1	42·2	+ 5·6	26	17	6	0·75	- 0·35	*	*	*	*
	Leith	54	34	49·1	38·6	44·1	+ 5·2	29	10	3	0·17	- 0·31	*	*	*	*
	Marchmont Ⓢ	51	32	47·1	34·0	43·2	+ 6·7	21	8	1	0·13	- 0·53	9·5	- 0·5	17	- 2
2. ENGLAND, N.E.	Alnwick Castle	55	34	49·7	38·5	44·3	+ 6·5	31	10	2	0·10	- 0·42	*	*	*	*
	Durham	52	31	47·9	37·1	42·7	+ 5·6	25	14	1	0·03	- 0·44	7·1	- 3·9	13	- 7
	Shields	53	33	49·1	37·1	43·3	+ 4·7	30	14	3	0·07	- 0·41	*	*	*	*
	Scarborough Ⓜ															
	Spurn Head	49	34	46·6	37·6	42·3	+ 4·0	21	12	3	0·21	- 0·16	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	51	27	47·6	37·7	42·9	+ 5·6	24	12	4	0·69	+ 0·21	6·7	- 5·1	12	- 8
	Yarmouth	50	30	46·9	37·3	42·3	+ 4·7	22	13	5	0·72	+ 0·23	*	*	*	*
	Geldeston	51	25	48·8	37·7	43·5	+ 5·3	29	12	5	0·70	+ 0·28	8·5	- 4·4	14	- 8
	Cambridge	53	26	50·3	37·4	44·1	+ 6·1	34	13	5	0·50	+ 0·12	6·8	- 5·4	12	- 9
	Felixstowe	49	31	47·1	37·9	42·7	+ 4·7	22	11	4	0·36	?	11·8†	?	20†	?
	Rothamsted	53	23	48·8	34·7	42·0	+ 4·8	19	20	5	0·54	- 0·05	8·4	- 2·6	14	- 5
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	52	30	49·3	37·6	43·7	+ 5·8	30	12	3	0·15	- 0·31	*	*	*	*
	Loughborough	53	24	49·4	36·6	43·3	+ 5·1	32	15	5	0·70	+ 0·21	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	49	27	46·6	36·2	41·6	+ 4·7	13	25	6	0·93	+ 0·24	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	54	31	48·4	38·7	43·7	+ 7·1	26	9	4	0·46	?	8·5	?	14	?
	Churchstoke Ⓜ	53	27	49·3	37·3	43·5	+ 5·5	30	13	5	0·56	- 0·12	6·4	- 4·8	11	- 9
	Hereford (Belmont) Ⓜ	54	23	50·0	37·1	43·8	+ 5·1	33	14	4	0·27	- 0·33	*	*	*	*
	Cirencester	51	23	48·0	36·0	42·2	+ 4·5	27	17	3	0·32	- 0·41	7·9	- 4·1	13	- 8
	Oxford	53	25	49·7	36·4	43·3	+ 4·8	33	16	5	0·26	- 0·26	11·2	0·0	19	0
5. ENGLAND, S.	London	53	29	49·6	37·7	43·9	+ 4·7	31	12	5	0·43	- 0·07	4·3†	- 1·7†	7†	- 4†
	Cranley Ⓜ	52	27	49·6	36·7	43·4	+ 4·9	32	15	5	0·38	- 0·17	*	*	*	*
	Dungeness	50	32	48·1	39·1	43·8	+ 4·3	25	8	5	0·38	- 0·22	*	*	*	*
	Hastings (St. Leonards)	51	34	48·7	39·6	44·3	+ 5·0	26	7	5	0·68	+ 0·03	9·7	- 4·4	16	- 8
	Southampton	53	31	51·3	40·4	46·1	+ 6·0	35	4	5	0·43	- 0·34	9·2	- 3·8	15	- 7
	Portland Bill	51	40	49·3	43·1	46·3	+ 5·3	30	0	5	0·48	?	*	*	*	*
	Shaftesbury Ⓜ	50	31	47·4	37·3	42·6	+ 5·2	24	13	6	0·60	- 0·10	*		*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	53	34	49·3	38·6	44·2	+ 4·2	30	10	7	3·52	+ 1·56	*	*	*	*
	Glasgow	51	34	46·7	38·3	42·7	+ 3·9	20	10	7	1·24	+ 0·29	4·0	- 2·2	7	- 4
	Glenlee Ⓢ	—	—	—	—	—	—	—	—	7	2·11	+ 0·49	*	*	*	*
	Douglas (Isle of Man)	51	34	48·7	40·3	44·7	+ 4·2	26	5	5	0·99	- 0·03	8·7	- 3·3	15	- 7
7. ENGLAND, N.W.	Newton Reigny	53	31	46·9	37·6	42·4	+ 6·2	21	12	6	0·78	?	5·0	?	9	?
	Stonyhurst	48	33	45·9	38·6	42·4	+ 4·4	17	10	6	2·12	+ 1·15	3·8	- 5·2	7	- 9
	Blackpool Ⓜ	49	31	47·6	39·0	43·5	+ 4·9	23	8	7	1·06	+ 0·36	8·3	- 0·7	15	- 1
	Manchester (Prestwich)	50	29	47·9	38·4	43·3	+ 5·1	24	10	6	1·71	+ 0·99	2·2	?	4	?
	Liverpool Obsy. (Bidston)	51	32	48·6	39·1	44·0	+ 4·7	26	8	6	0·99	+ 0·38	2·9	?	5	?
	Llandudno Ⓜ	55	35	49·9	41·7	46·0	+ 4·5	29	1	6	0·66	0·00	7·8	- 3·0	13	- 6
	Holyhead	50	38	48·1	41·4	44·9	+ 2·6	23	2	7	0·68	- 0·06	*	*	*	*
8. ENGLAND, S.W.	Llandovery	51	25	49·4	37·0	43·5	+ 5·9	32	14	7	1·48	+ 0·29	*	*	*	*
	Pembroke	50	38	49·3	44·3	46·9	+ 4·8	34	0	6	0·74	- 0·14	8·2	- 4·8	14	- 8
	Clifton	52	33	48·9	40·1	44·7	+ 4·8	27	5	6	0·93	+ 0·13	*	*	*	*
	Arlington (N. Devon)	50	32	48·1	39·3	43·9	+ 3·7	25	8	7	2·11	+ 1·21	*	*	*	*
	Cullompton Ⓜ	52	31	50·2	39·8	45·2	+ 5·2	32	6	6	0·95	+ 0·35	7·2	- 3·4	12	- 6
	Falmouth	53	39	50·0	43·7	47·0	+ 3·5	35	0	6	1·69	+ 0·59	15·2	+ 1·5	25	+ 3
	Plymouth	52	40	51·2	44·7	48·1	+ 6·0	43	0	7	0·58	- 0·32	6·4	- 6·2	11	- 9
9. IRELAND, N.	Malin Head	49	35	47·4	41·1	44·4	+ 2·6	21	3	7	0·87	?	*	*	*	*
	Londonderry	51	34	48·5	36·8	42·9	+ 2·7	28	15	7	1·52	+ 0·60	*	*	*	*
	Edenfel (Omagh)	50	31	47·0	?37·9	?42·6	?+ 4·4	?21	?11	7	1·39	+ 0·57	*	*	*	*
	Blacksod Point	52	35	48·3	41·9	45·2	+ 2·1	23	0	7	1·03	?	*	*	*	*
	Markree Castle	52	33	49·3	38·1	43·9	+ 3·9	30	11	6	1·04	+ 0·26	13·0	+ 2·7	23	+ 4
	Armagh	51	33	48·6	38·7	43·9	+ 4·6	27	9	7	0·90	+ 0·34	9·5	- 1·3	17	- 3
	Donaghadee	52	33	48·9	37·7	43·5	+ 2·8	29	12	6	0·66	- 0·06	*	*	*	*
10. IRELAND, S.	Dublin	56	35	51·0	40·0	45·7	+ 3·8	34	6	6	0·44	- 0·14	10·4	- 3·6	18	- 6
	Parsonstown	52	34	49·1	40·3	44·9	+ 4·7	27	5	5	0·54	- 0·16	12·3	0·0	21	0
	Kilkenny	53	30	49·7	39·3	44·7	+ 3·5	30	8	5	0·58	- 0·22	*	*	*	*
	Roche's Point	54	38	51·4	42·0	47·4	+ 3·9	38	0	6	0·83	- 0·39	*	*	*	*
	Valencia	53	38	50·3	44·1	47·3	+ 2·5	37	0	7	1·16	- 0·24	9·2	- 4·0	16	- 7
	Killarney	54	36	50·6	42·6	46·8	+ 3·4	34	0	6	1·47	?	*	*	*	*
	Foynes	53	33	?48·9	?40·7	?45·0	?+ 3·8	?26	?4	?7	1·01	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	43	52·3	46.0	49·3	+ 3·9	51	0	7	0·60	- 0·25	13·8	?	23	?
	Jersey	54	43	51·6	45·6	48·7	+ 6·6	47	0	5	0·89	+ 0·14	9·9	- 2·5	16	- 5

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

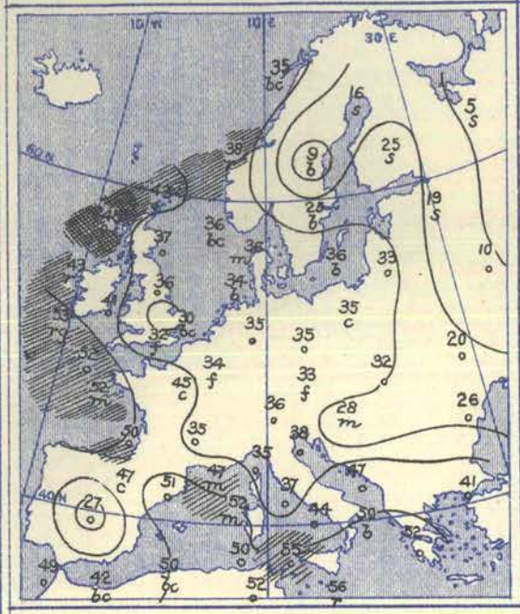
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 21st January.

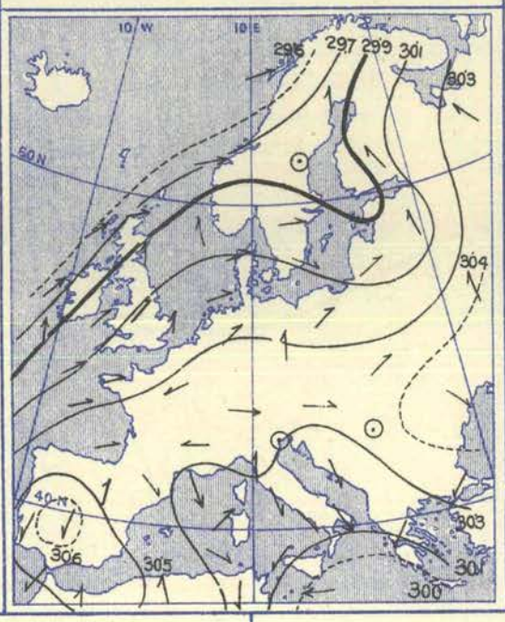
Temperature and Weather.

8 a.m.

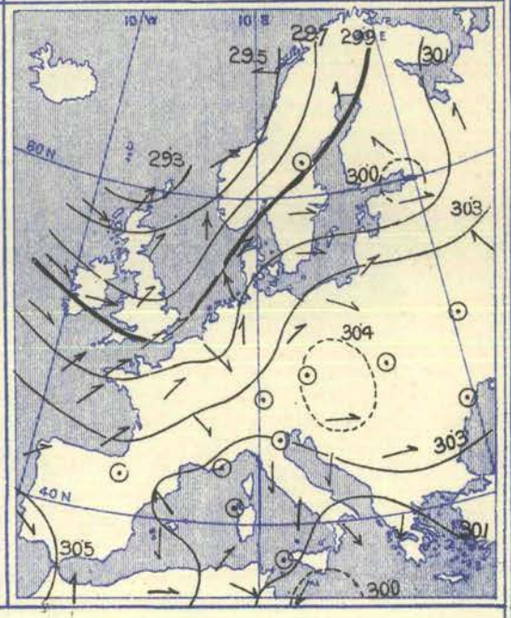


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the eastern and central parts of England, as well as in Sweden and Denmark. Cloudy or dull in all other parts of Europe, with rain at most of the Irish stations, as well as at Christiansund, Vienna, and Malta; snow falling over northern Russia, and also at Cracow. Rain falling later in nearly all parts of western Europe, but amounts mostly small.

Temperature risen in the west and north of our Islands, and also in France; fallen in most other localities. Morning readings highest, (1) 56° at Malta, and 52° at Athens and Tunis; (2) 53° at Valencia (Ireland), and 52° at Scilly, Brest, and Lorient; above 45° on most parts of our own west and south-west coasts. Lowest, 5° at Archangel, 9° at Hernösand, 10° at Moscow, and 11° at Kharkov; below the freezing point over northern and eastern Europe generally. Rising during day to 50°, or slightly above it, at many of the English and Irish stations; exceeding 55° over the Spanish Peninsula and the Mediterranean, and reaching 64° at Barcelona.

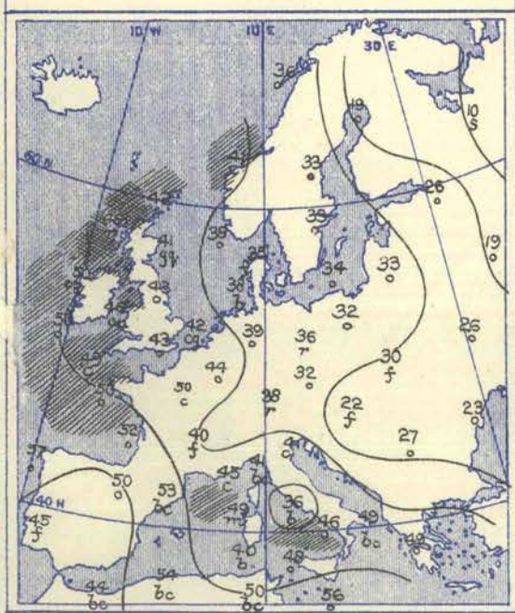
Wind Southerly or South-Easterly over our Islands, and fresh or strong in force on our extreme western coasts. South-Westerly or Westerly over the western parts of the Continent. Southerly or South-Easterly in Russia; variable in Austria; Northerly or North-Westerly in Italy and the extreme south of France; North-Easterly over the Spanish Peninsula. Subsequently veering to the Westward or North-Westward on all our western coasts, but backing to the Southward on the eastern shores of the North Sea.

Barometer highest, 30·6 ins. and upwards over central Spain; 30·4 ins. and upwards over the central and southern parts of Russia; 30·3 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 29·7 ins. and less in a large depression lying to the north-westward and northward of our Islands; 30·0 ins. and less in another large area over the central parts of the Mediterranean. Depression in north subsequently moving eastwards; "V"-shaped secondary disturbances advancing in a similar direction over our Islands.

Monday, 22nd January.

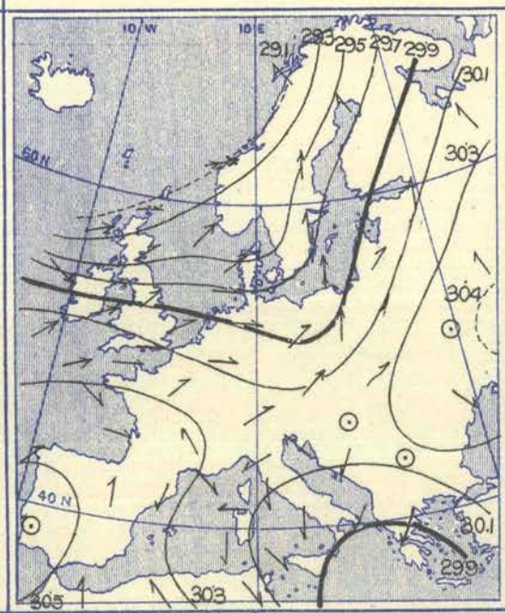
Temperature and Weather.

8 a.m.

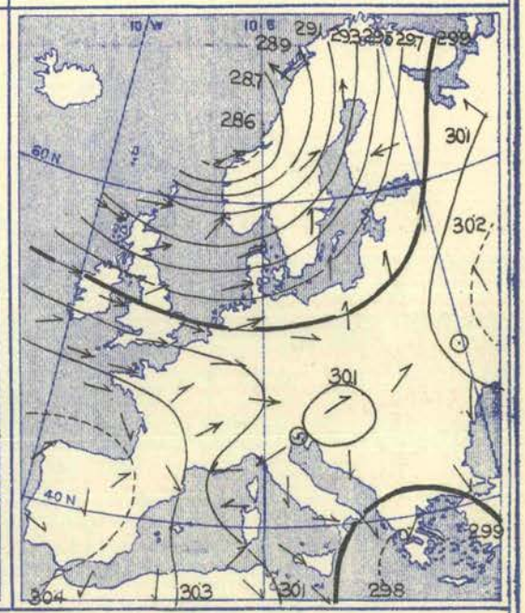


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull over our Islands and the Continent generally, with rain in the northern parts of Ireland and Scotland, as well as in some parts of Germany and central France, and snow at Karlstad and Archangel; foggy in Denmark and Austria. Fine at several of the Mediterranean stations. Rain falling later in the west and extreme north of our Islands generally, and also in most parts of northern and central Europe.

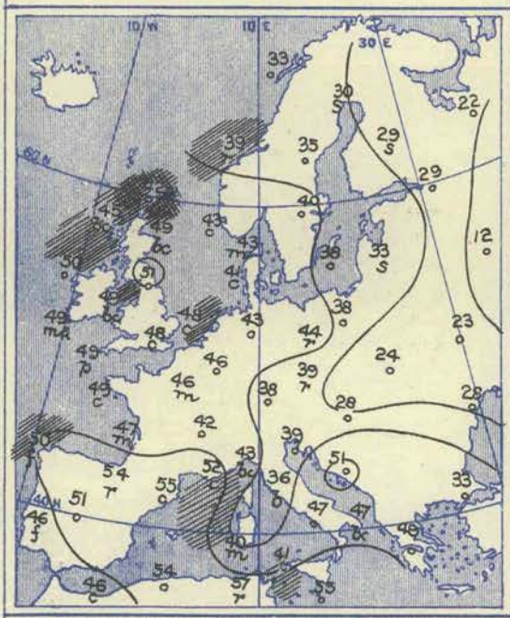
Temperature risen over western and northern Europe, rapidly in Sweden, but fallen elsewhere. Morning readings highest, (1) 56° at Malta, 54° at Algiers, and 53° at Barcelona; (2) 50° at Blacksod Point and Valencia (Ireland), above 45° in the western parts of our Islands generally. Lowest, 10° at Archangel, 19° at Uleaborg and Moscow, and 22° at Haparanda and Buda Pesth; below the freezing point in most parts of Sweden, Russia and Austria. Rising during day to 50° and upwards over the western and northern parts of our Islands and also in the west of France, and reaching 55° at Aberdeen; exceeding 55° at several of the Spanish and Mediterranean stations, and reaching 61° at Corunna and Oporto.

Wind Westerly or South-Westerly over our Islands, the Netherlands, Germany, Denmark and Norway; strong to a gale in force on our extreme north-west coasts, and also in the west of Norway; Southerly over Sweden and northern Russia, with a gale at Wisby. Variable over France and the Spanish Peninsula; Northerly in Italy; calm in Austria. Subsequently veering to the Northward of West on all but our more western and northern coasts, and increasing to a strong gale in Scotland.

Barometer highest, 30·5 ins. to 30·2 ins. in an anticyclone lying over the Spanish Peninsula, Algeria, France and the western parts of the English Channel; 30·4 ins. to 30·2 ins. in another system over Russia and Austria. Lowest, 29·1 ins. and less in a large depression lying to the northward of our Islands; gradients steep or rather so over north-western Europe generally. Depression subsequently moving eastwards, and barometer rising in the west and north of our Islands.

Tuesday, 23rd January.

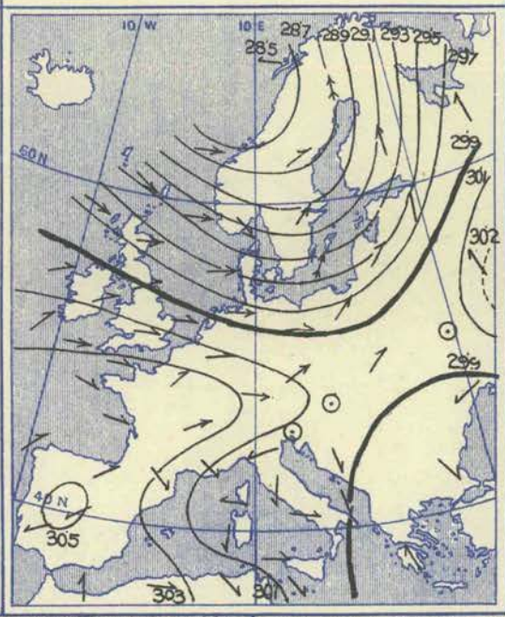
Temperature and Weather. 8 a.m.



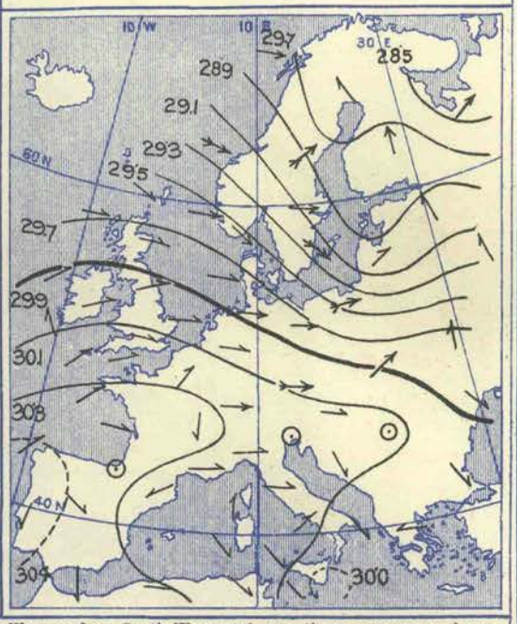
Weather in morning fair over Great Britain, but dull in Ireland, with fog or mist and drizzling rain in places. Dull over the greater part of the Continent, with rain in many parts of Germany and Austria, as well as at Christiansund and Biarritz; snow falling over Lapland, Finland, and the Baltic Provinces. Fine in some parts of Italy and the extreme south of France. Rain falling later in the west, south, and extreme north of our Islands generally, but amounts mostly slight.

Temperature risen in most countries, but fallen in France. Morning readings highest, 57° at La Calle, 56° at Perpignan, and 55° at Barcelona and Malta; slightly above 50° on the north-east coasts of Great Britain, above 45° over the United Kingdom generally. Lowest, 12° at Moscow, 18° at Kharkov, 22° at Archangel, and 23° at Kiev. Rising during day to 50° and upwards in nearly all parts of the United Kingdom and France, and to 54° at Nairn and Leith; exceeding 60° in several parts of southern Europe, and reaching 68° at Barcelona.

Barometer and Wind. 8 a.m.



6 p.m.

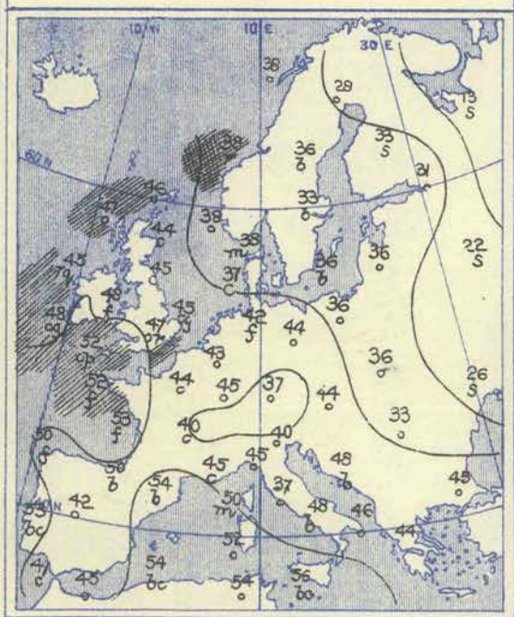


Wind light to fresh from the Westward or South-Westward over the greater part of our Islands, France, the Netherlands, and Germany, but blowing a gale from the North-Westward in Caithness and the Shetlands; strong to a gale from the Westward on the eastern shores of the North Sea, and from the Southward over Sweden, Finland, and the Baltic. Light from the Northward or North-Westward in Italy and the extreme south of France, and from the North-Eastward over the Spanish Peninsula. Gale in the north of Scotland subsiding later; wind backing to the Southward in the west of Ireland.

Barometer highest, 30·5 ins. to 30·1 ins. in an anticyclone lying over the Spanish Peninsula, France, and the southern parts both of our Islands and Germany; 30·2 ins. and upwards in another system over central Russia. Lowest, 28·5 ins. and less in a large and deep depression with its centre off the northern parts of the Norwegian coasts; gradients steep over northern Europe generally. Depression subsequently moving eastwards, but new disturbance advancing towards our own western coasts.

Wednesday, 24th January.

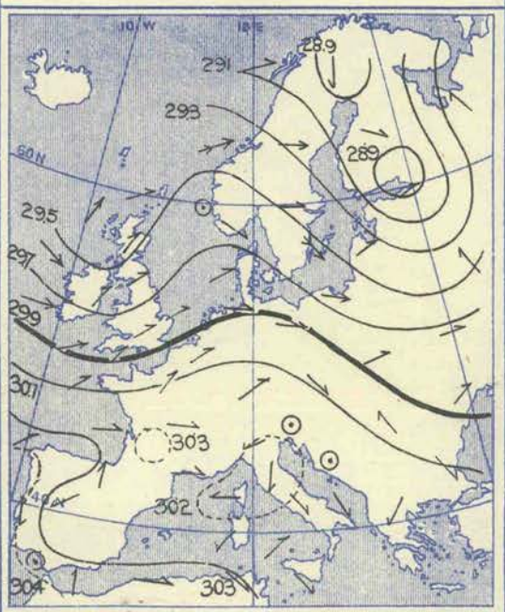
Temperature and Weather. 8 a.m.



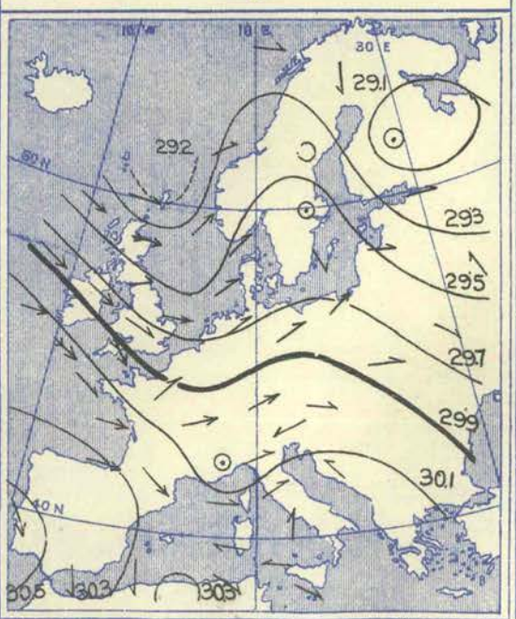
Weather in morning cloudy or dull over nearly the whole of Europe, with rain and fog in the western parts of our Islands and France. Rain falling also at Christiansund, and snow at Archangel, Kuopio, Moscow and Nicolaieff. Fair or fine on the east coasts of Great Britain, as well as in Sweden, the south of France, and the neighbouring parts of Spain and Italy. Rain falling later in all parts of western and central Europe, but amounts mostly slight.

Temperature fallen in most of the western and northern countries, but risen elsewhere. Morning readings highest, 56° at Malta, and 54° at Barcelona, Algiers and La Calle; slightly above 50° in the west of France and also in the Scilly and Channel Islands. Lowest, 13° at Archangel, 14° at Kharkov, 22° at Moscow, and 25° at Odessa. Rising during day to 50° and upwards in many parts of the United Kingdom and France; exceeding 60° over the Spanish Peninsula, southern Italy and the extreme south of France, and reaching 66° at San Fernando and Cagliari.

Barometer and Wind. 8 a.m.



6 p.m.

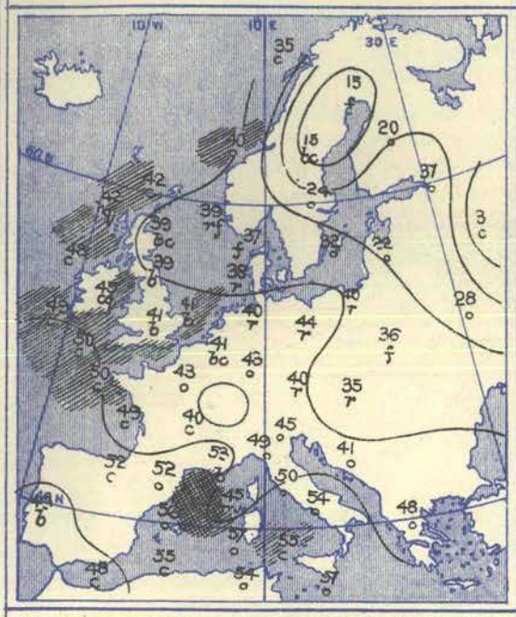


Wind light to moderate from the South-Westward over the greater part of our Islands, and also over the Netherlands, Germany and the north of France, but strong to a gale from the Westward on our extreme west and south-west coasts. Strong from the Westward or North-Westward over Scandinavia and western Russia, with a gale at Christiansund and Wisby; Southerly or South-Easterly over northern and central Russia; variable in the south of France; North-Easterly over the Spanish Peninsula and northern Italy. Subsequently veering to the North-Westward over nearly the whole of our Islands, and increasing to a gale on our western and extreme northern coasts.

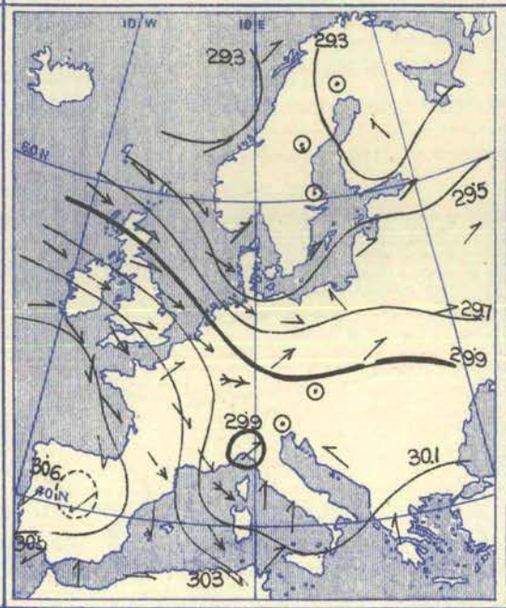
Barometer highest, 30·4 ins. and upwards in Portugal; 30·1 ins. and upwards in an anticyclone covering southern Europe generally. Lowest, 28·9 ins. and less in two centres of depression, one lying over Lapland and the other near St. Petersburg; 29·4 ins. and less in a "V"-shaped disturbance over our own western coasts with its centre near the Hebrides. Latter disturbance subsequently moving eastwards across our Islands, and barometer rising briskly in its rear.

Thursday, 25th January.

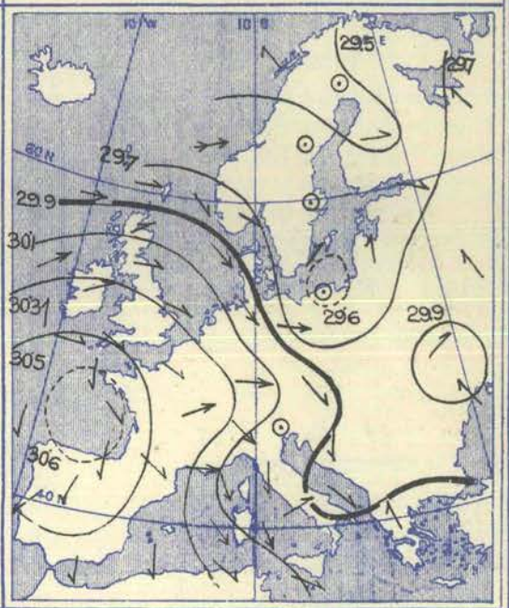
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but hail squalls reported in the north of Scotland. Cloudy or dull at most of the Continental stations, with fog in the south of Scandinavia, and rain in many parts of Denmark, Germany, Austria and northern Italy, as well as at Skudesnaes. Fine over the extreme south of France and the greater part of the Spanish Peninsula. Rain falling later in the north of Scotland and at night on many parts of our western coasts.

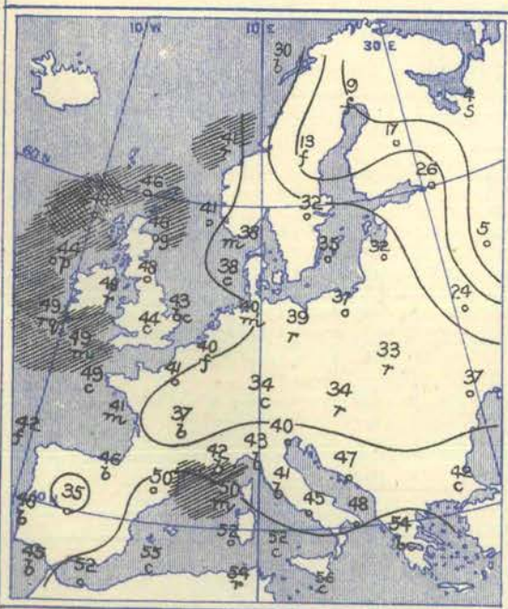
Temperature fallen in the northern and north-western countries, but risen elsewhere. Morning readings highest, 57° at Cagliari and Malta, and 55° at Toulon, Palermo and Algiers; highest in our Islands, 50° at Scilly and 49° at Valencia (Ireland) and Jersey. Lowest, 3° at Moscow, 15° at Haparanda and Hernösand, and 20° at Kuopio. Rising during day to 50° or slightly above it in many parts of the United Kingdom, and to 54° at Jersey; exceeding 55° in the extreme south of France; exceeding 60° over Spain and southern Italy, and reaching 70° at San Fernando.

Wind fresh to strong from the Westward or North-Westward over western Europe generally; light from the North-Eastward over the Spanish Peninsula; variable in Italy. Light from the South-Westward over Russia and eastern Germany; calm over the Gulf of Bothnia; South-Westerly in the west of Norway. Subsequently backing to the South-Westward on many parts of our own western coasts; no important change occurring elsewhere.

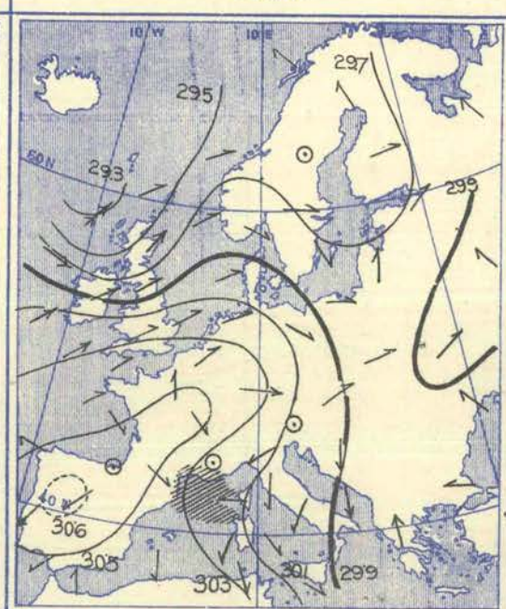
Barometer highest, 30·6 ins. and upwards over central Spain; 30·3 ins. and upwards in an anticyclone covering the whole of Algeria, the Spanish Peninsula, France and the south-western parts of our Islands. Lowest, 29·3 ins. and less in two depressions—one lying off the northern parts of the Norwegian coasts, and the other over Lapland and Finland; "V"-shaped secondary disturbance noticed over Denmark. Depressions in far north filling up later; secondary becoming more clearly defined and moving eastwards; new disturbance approaching our own western coasts.

Friday, 26th January.

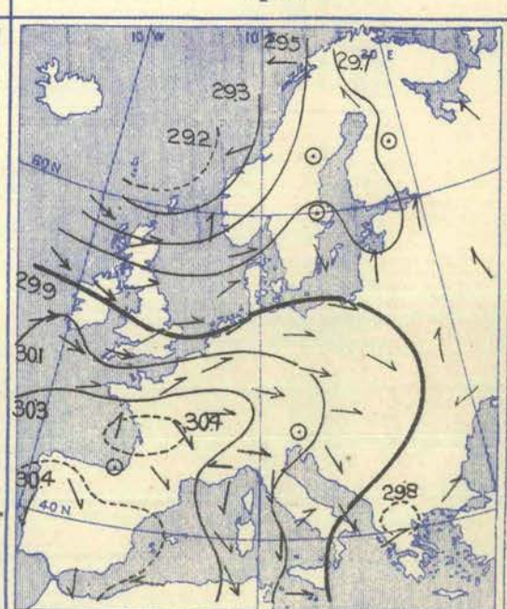
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain or passing showers at several of our own western and southern stations. Rain falling also in some parts of Germany and Austria, as well as at Christiansund, and snow at Archangel and Breslau; fog or mist reported in many parts of northern Europe. Fine on the east coasts of England, and also over Spain, northern Italy, and the south of France. Rain falling later over nearly the whole of western and central Europe, and hail showers on our own north-west coasts.

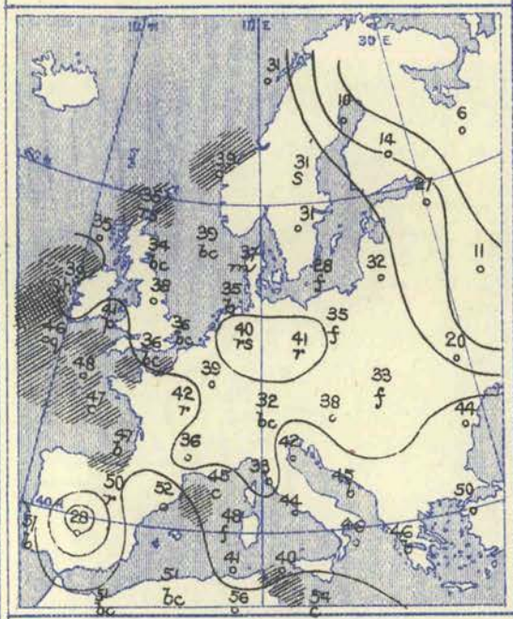
Temperature risen in our Islands, but fallen at most of the Continental stations. Morning readings highest, 56° at Malta, 55° at Algiers, and 54° at Patras and Tunis; touching 50° at Roches Point, and very little below it at many of our own western and northern stations. Lowest, 4° at Archangel, 5° at Moscow, and 9° at Haparanda; below the freezing point over Sweden and Russia generally. Rising during day to 50° or slightly above it, in many parts of the United Kingdom, and to 55° and upwards over the Bay of Biscay and southern Europe generally, the highest reading of all being 64° at Cagliari.

Wind South-Westerly over the whole of our Islands and the neighbouring parts of the Continent, and strong to a gale in force on our western and northern coasts. Light to moderate from the Westward or North-Westward over Denmark, Germany, and the south of France, from the Northward in Italy, and from the North-Eastward or Eastward over the Spanish Peninsula. Southerly (South-West to South-East) in Russia; calm over the Gulf of Bothnia. Subsequently veering to the Westward in our Islands, and blowing very strongly in most places.

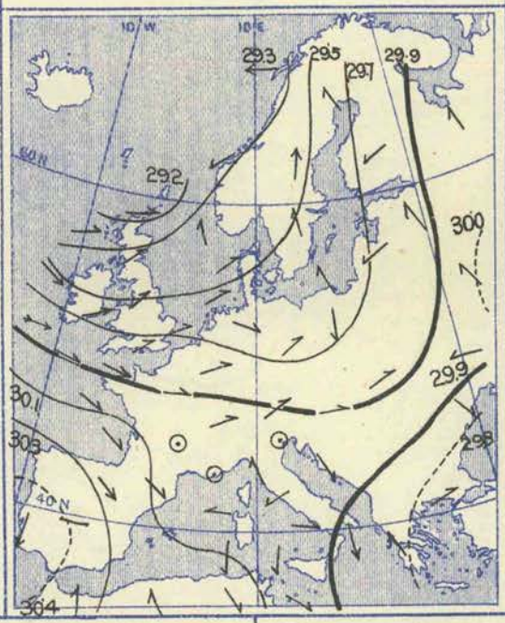
Barometer highest, 30·60 ins. at Madrid; 30·2 ins. and upwards in an anticyclone extending from Spain over the whole of France, western and southern Germany, and the south of England; 29·9 ins. and upwards in another system over central Russia. Lowest, 29·3 ins. and less in a rather deep depression with its centre off the north-west of Scotland. Depression subsequently moving north-eastwards, but also spreading out in a southerly direction; barometer falling briskly over Great Britain and the North Sea.

Saturday, 27th January.

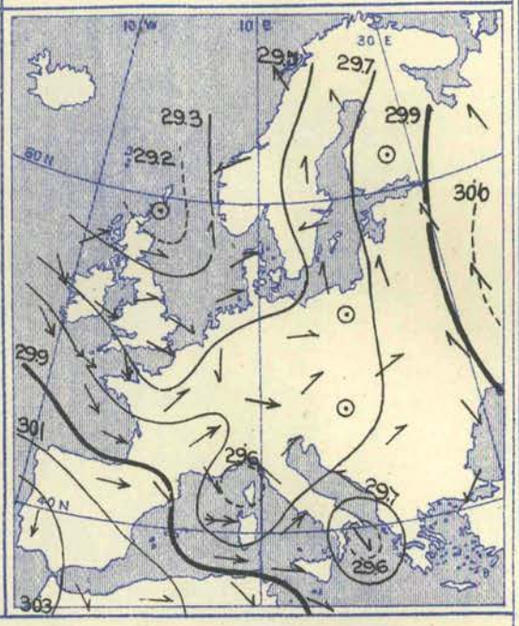
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the eastern and central parts of the United Kingdom, but showery in the west and extreme north, with hail at Blacksod Point, and sleet at Sumburgh Head. Dull and unsettled over nearly the whole of the Continent, with rain in many parts of Denmark, Germany, France, and Austria, and snow at Hernösand. Fine in Greece, and also in Algeria. Rain, hail, or snow falling later over nearly the whole of Europe—heavily in the west of France. Thunder and lightning occurring at Jersey, and lightning seen at Nairn and Blacksod Point.

Temperature risen quickly in Sweden, and slightly in France, Germany, and Austria; fallen elsewhere—briskly in our Islands. Morning readings highest, 56° at La Calle, 54° at Malta, and 51° at Lisbon, Oran, and Algiers; above 45° on our own extreme south-west coasts. Lowest, 6° at Archangel, 10° at Haparanda, and 11° at Moscow; below the freezing point over Sweden and Russia generally. Daily maxima below 40° at some of our own extreme northern stations, and below 45° on all but our south-west coasts; thermometer exceeding 50° over southern Europe generally. Frost occurring over Great Britain at night.

Wind strong to a gale from the Westward or North-Westward on our western coasts, and fresh from the same quarters over the English Channel and the west and south of France. Light to moderate from the South-Westward on the east coasts of Great Britain, and also over Denmark and Germany; South-Easterly over Sweden and Russia; Easterly in the west of Norway. Variable in Italy. No important change occurring over western Europe during day.

Barometer highest, 30·4 ins. and upwards in an anticyclone over the western and central parts of the Spanish Peninsula; 30·0 ins. and upwards in another system over central Russia. Lowest, 29·2 ins. and less in a large but somewhat shallow depression off the north of Scotland; 29·8 ins. and less in a large shallow area over the Black Sea and Asia Minor. Depression in north subsequently spreading southwards; new area of low pressure forming over the southern parts of England towards night.

GENERAL NOTES.

During the early part of the week barometrical pressure was highest in an anticyclone of growing intensity lying over and to the south-westward of the Spanish Peninsula, and high in another system of diminishing intensity over the central and southern parts of Russia. In the north-western and northern countries the weather was affected by depressions which advanced from the Atlantic, those of the 21st and 24th being "V"-shaped and passing directly eastwards over our Islands and the North Sea, while that of the 22nd was of a more ordinary form, its centre skirting our northern coasts and afterwards travelling on to Norway. Each of these disturbances occasioned very strong winds or gales from South-West veering to North-West, first in our Islands, and later on over northern Europe, while rain fell generally, though not in any great quantity.

After the 24th the Spanish high-pressure system spread northwards over France and the southern parts of our Islands, while the Russian anticyclone broke up. These changes were, however, purely temporary. Early on the 26th a large depression advanced to our extreme north-west coasts, and later on this system spread eastwards and southwards over nearly the whole of north-western Europe, strong winds from South-West veering to North-West again becoming general, with rain in most places, and sleet or hail in many parts of Great Britain.

At the close of the week a separate area of low pressure was forming over the south of our Islands, and the general distribution over western Europe was, therefore, becoming very complicated.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 20.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	6·5	?	13	?	BRIGHTON	9·4	− 2·6	16	− 5
STRATHPEFFER SPA	6·2	− 1·6	12	− 3	WORTHING	9·4	?	16	?
EDINBURGH	9·6	+ 0·9	17	+ 1	BOGNOR	10·9*	?	18*	?
MORPETH	10·2	?	18	?	WATERGATE (Emsworth)	8·6	?	14	?
NEWCASTLE-ON-TYNE	5·6	?	10	?	WESTBOURNE (Emsworth)	10·5	− 2·5	18	− 5
OSWALDKIRK (Yorkshire)	6·6	− 3·3	11	− 6	VENTNOR HOSPITAL				
YORK	6·6	− 1·4	12	− 2	SOUTHPORT	7·8	?	14	?
LOWESTOFT	7·6	?	13	?	RHYL	5·1*	?	9*	?
HOLLESLEY BAY	10·4	?	18	?	COLWYN BAY				
SHEFFIELD	4·7	?	8	?	ABERDOVEY	7·0*	?	12*	?
WORKSOP	4·7	− 4·8	8	− 8	TENBY	6.9	− 7·1	12	−12
THURCASTON (Leicestershire)	3·0	− 6·8	5	−12	NEWQUAY	11·2	− 2·0	18	− 3
MARGATE	9·6	− 1·6	16	− 2	TORQUAY	14·1	+ 0·1	23	0
EASTBOURNE	9·0	− 4·0	15	− 6	GUERNSEY	11·0*	− 1·4	18*	− 3

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Jan. 6th, 1900	Churchstoke	48	31	41·6	33·5	37·7	+ 0·2	0	30	5	1·87	+ 1·22	3·8	?	7	—
" " " "	Liverpool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
" " " "	Arlington	51	28	45·4	35·1	40·5	+ 0·4	10	28	5	2·13	+ 1·00	—	—	—	—
" " " "	Killarney	48	24	44·4	28·9	37·0	− 6·2	7	50	5	1·69	?	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 5.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 3RD, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 26.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	45	19	39·2	30·5	35·0	3 below	0	− 7	49	+ 7	19	−12	155	−58
	1. SCOTLAND, EAST	43	18	37·9	29·1	33·7	3 below	0	− 8	58	+13	24	−12	172	−51
	2. ENGLAND, N.E.	45	23	39·1	31·5	35·5	3 below	0	− 7	46	+ 6	32	+ 1	145	−59
	3. ENGLAND, EAST	41	26	38·3	32·2	35·4	3 below	0	− 8	46	0	36	+ 2	158	−78
	4. MIDLAND COUNTIES	41	26	36·3	31·2	33·8	5 below	0	−10	57	+11	41	− 2	160	−74
	5. ENGLAND, SOUTH	42	27	38·2	32·6	35·5	4 below	0	−10	46	+ 9	68	+19	126	−65
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	41	26	37·9	30·8	34·5	6 below	0	−10	53	+21	41	− 6	126	−35
	7. ENGLAND, N.W.	43	14	38·3	31·7	35·2	4 below	0	− 8	48	+14	39	+ 1	117	−54
	8. ENGLAND, S.W.	45	28	39·1	33·2	36·3	5 below	0	−15	40*	+13	88	+19	84	−54
	9. IRELAND, NORTH	45	21	40·8	32·5	36·8	4 below	0	−13	36	+ 9	58	− 3	111	−30
	10. IRELAND, SOUTH	48	22	41·4	32·2	37·0	6 below	0	−20	35	+14	98	+ 6	94	−18
	—CHANNEL ISLANDS—	48	36	44·6	38·4	41·6	2 below	7	−13	15	+ 2	160	+56	15	−48

Rainfall.

	DISTRICTS. (See p. 26.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	3	9 less	30	+ 3	7·5	+ 1·2
	1. SCOTLAND, EAST	5	5	2 less	26	+ 6	4·0	+ 0·8
	2. ENGLAND, N.E.	6	8	3 more	22	+ 3	2·8	+ 0·5
	3. ENGLAND, EAST	5	7	3 more	25	+ 5	3·5	+ 1·2
	4. MIDLAND COUNTIES	5	4	2 less	24	+ 5	3·8	+ 1·1
	5. ENGLAND, SOUTH	5	8	2 more	24	+ 5	4·0	+ 0·9
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	1	13 less	28	+ 5	7·2	+ 0·4
	7. ENGLAND, N.W.	3	3	5 less	25	+ 4	4·5	+ 1·0
	8. ENGLAND, S.W.	3	2	7 less	28	+ 6	5·9	+ 1·3
	9. IRELAND, NORTH	3	2	6 less	30	+ 6	4·4	+ 0·6
	10. IRELAND, SOUTH	4	3	6 less	29	+ 7	4·8*	+ 0·2
	— CHANNEL ISLANDS—	4	5	3 less	31	+ 7	5·9	+ 2·0

Bright Sunshine.

	DISTRICTS. (See p. 26.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	13	+ 6	23	+ 9	34	+ 5	13	+ 2
	1. SCOTLAND, EAST	8	− 3	15	− 5	45	+ 1	17	0
	2. ENGLAND, N.E.	8	− 2	13	− 4	50	+ 3	18	+ 1
	3. ENGLAND, EAST	3	− 9	5	−16	48	− 9	17	− 3
	4. MIDLAND COUNTIES	5	− 7	8	−11	42	− 7	16	− 2
	5. ENGLAND, SOUTH	5	− 8	8	−14	53	− 6	17	− 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	11	+ 1	19	+ 2	50	+ 7	19	+ 3
	7. ENGLAND, N.W.	9	− 2	15	− 4	47	0	17	0
	8. ENGLAND, S.W.	13	− 2	21	− 2	67	+ 4	23	+ 1
	9. IRELAND, NORTH	22	+10	37	+16	81	+29	30	+11
	10. IRELAND, SOUTH	23	+14	45	+22	81	+17	29	+ 6
	— CHANNEL ISLANDS—	12	−11	19	−18	65	−13	19	− 5

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period varied greatly in different parts of the Kingdom. Over all the eastern and south-eastern districts it was very gloomy, with frequent falls of snow, sleet or cold rain; the fall of snow or sleet on Friday night being very heavy over our south-eastern counties. Over Ireland and the extreme western and northern parts of Great Britain, however, the conditions were generally fair, and the falls of sleet or rain were slight and infrequent.

Temperature was below the mean, the deficit ranging from 2° in the Channel Islands, and 3° over the eastern and north-eastern parts of Great Britain, to 5° in the Midland Counties and England S.W., and 6° in Scotland W. and Ireland S. The highest of the maxima were registered during the earlier half of the period, and ranged from 48° in Ireland S. and the Channel Islands to 41° in England E., the Midland Counties and Scotland W. The lowest of the minima were recorded either at the commencement or end of the period, and ranged from 14° in England N.W. (at Newton Reigny on Friday), and from 18° and 19° in Scotland E. and N., to 28° in England S.W., and to 36° in the Channel Islands.

Rainfall was more than the mean in England N.E., E. and S., but less in all other parts of the Kingdom.

Bright Sunshine exceeded the mean in Scotland N. and W., and over Ireland, the excess in the latter country being very large. The percentage of the possible duration ranged from 5 in England E., and 8 in the Midland Counties and England S., to 23 in Scotland N., 37 in Ireland N., and 45 in Ireland S.

Barometer and Wind.—At the commencement of the week a complex depression was moving south-eastwards over England, and as the barometer was rising briskly in the west and north, strong Northerly winds and gales were experienced over Ireland and the extreme south-west of England, and freshening Northerly breezes elsewhere. After the disappearance of this system no other definite depression appeared immediately over us until quite the end of the period, although local irregularities of pressure were frequent and the Northerly and North-Easterly winds occasionally increased in force. By the end of the period a depression lay over and off our south-eastern coasts, and another off the south-west of England. It was to the former of these systems, which was formed during Friday, that the heavy fall of sleet and snow over the south-east of England was apparently due.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 25 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	44	30	40·1	32·9	36·6	− 2·3	0	38	6	0·35	− 0·49	*	*	*	*
	Stornoway	44	29	41·1	32·4	36·9	− 2·0	0	36	3	0·09	− 0·99	13·4	+ 3·4	24	+ 7
	Wick	43	25	40·4	30·4	35·6	− 2·4	0	45	7	0·39	− 0·11	*	*	*	*
	Lairg Ⓢ	45	19	38·7	26·8	33·0	− 3·8	0	63	5	0·36	− 0·44	*	*	*	*
	Glencarron Ⓢ	38	24	36·7	29·4	33·2	− 4·0	0	62	4	0·13	− 1·99	*	*	*	*
	Fort Augustus Ⓢ	41	25	38·3	30·5	34·6	− 3·6	0	52	6	0·41	− 0·55	12·9	+ 7·7	23	+13
	Fort William Ⓢ	40	26	38·8	30·8	35·0	− 3·7	0	49	2	0·07	− 2·02	15·0	+ 6·3	26	+10
1. SCOTLAND E.	Nairn	43	24	39·3	29·0	34·4	− 3·0	0	53	4	0·42	+ 0·03	*	*	*	*
	Aberdeen	41	28	38·6	31·1	35·0	− 2·8	0	49	7	0·70	+ 0·10	14·0	− 0·2	25	0
	Braemar Ⓢ	35	18	34·0	25·0	29·7	− 4·8	0	86	7	0·49	− 0·24	5·8†	− 3·7†	10†	− 6†
	Ochtertyre Ⓢ	43	21	39·4	29·7	34·7	− 2·0	0	51	3	0·20	− 0·88	*	*	*	*
	Leith	43	26	39·6	31·6	35·8	− 3·3	0	43	5	0·41	− 0·07	*	*	*	*
	Marchmont Ⓢ	39	22	36·7	28·1	32·6	− 4·3	0	66	6	0·74	+ 0·06	8·3	− 3·4	14	− 7
2. ENGLAND, N.E.	Alnwick Castle	45	23	39·1	29·8	34·6	− 3·6	0	52	7	1·24	+ 0·70	*	*	*	*
	Durham	40	24	36·7	28·8	32·9	− 4·8	0	64	6	0·87	+ 0·41	5·2	− 7·3	9	−13
	Shields	43	27	40·0	31·4	35·9	− 3·2	0	43	7	0·85	+ 0·38	*	*	*	*
	Scarborough Ⓜ	41	31	39·5	34·6	37·1	− 1·9	0	34	5	0·47	− 0·02	?	?	?	?
	Spurn Head	41	31	40·3	33·1	36·8	− 2·1	0	36	5	0·56	+ 0·19	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	40	26	38·7	31·9	35·4	− 2·8	0	46	6	0·91	+ 0·42	3·9	− 9·5	6	−16
	Yarmouth	40	28	38·6	32·1	35·5	− 2·4	0	46	5	0·37	− 0·13	*	*	*	*
	Geldeston	40	27	38·6	33·1	36·0	− 2·7	0	42	6	0·77	+ 0·35	0·8	−13·3	1	−22
	Cambridge	41	28	38·9	31·4	35·3	− 3·1	0	47	4	0·77	+ 0·37	5·8	− 7·9	9	−13
	Felixstowe	39	28	38·0	33·2	35·7	− 2·5	0	44	5	0·77	?	5·5†	?	9†	?
	Rothamsted	39	30	36·9	31·5	34·3	− 3·4	0	54	5	0·77	+ 0·19	3·7	− 8·8	6	−14
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	40	26	37·1	30·0	33·7	− 4·6	0	58	5	0·51	+ 0·05	*	*	*	*
	Loughborough	39	30	36·9	31·1	34·1	− 4·5	0	55	5	0·59	+ 0·09	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	37	28	35·0	30·0	32·6	− 4·7	0	66	5	0·32	− 0·36	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	37	30	35·7	31·6	33·7	− 3·3	0	58	5	0·16	− 0·30	2·2	?	4	
	Churchstoke Ⓜ	39	28	35·2	30·6	33·0	− 5·4	0	63	4	0·19	− 0·49	1·9	−10·8	3	−18
	Hereford (Belmont) Ⓜ	39	29	36·4	31·9	34·2	− 5·0	0	55	5	0·16	− 0·44	*	*	*	*
	Cirencester	39	29	36·4	31·4	34·0	− 4·2	0	56	5	0·43	− 0·29	2·6	−10·7	4	−18
	Oxford	41	31	37·4	32·7	35·1	− 3·9	0	48	5	0·61	+ 0·09	4·2	− 8·3	7	−14
5. ENGLAND, S.	London	41	31	38·6	33·4	36·1	− 3·8	0	41	5	0·99	+ 0·49	3·0†	− 3·8†	5†	− 7†
	Cranley Ⓜ	41	29	39·0	32·0	35·6	− 3·3	0	45	? 4	? 0·59	? + 0·07	*	*	*	*
	Dungeness	41	29	39·7	33.9	36·9	− 2·9	0	36	6	1·09	+ 0·49	*	*	*	*
	Hastings (St. Leonards)	40	30	37·7	33·1	35·5	− 4·4	0	46	6	1·52	+ 0·88	4·8	−10·8	8	−17
	Southampton	42	31	39·3	33·3	36·4	− 4·0	0	39	5	0·64	− 0·11	3·9	−10·8	6	−17
	Portland Bill	42	30	38·7	33·3	36·1	− 5·0	0	41	2	0·23	?	*	*	*	*
	Shaftesbury Ⓜ	37	27	34·5	29·1	31·9	− 6·1	0	71	4	0·60	− 0·08	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	39	26	37·2	28·2	32·9	− 7·2	0	64	0	—	− 1·94	*	*	*	*
	Glasgow	39	26	37·2	31·4	34·4	− 4·6	0	53	1	0·01	− 0·94	7·9	+ 0·5	14	+ 2
	Glenlee Ⓢ	—	—	—	—	—	—	—	—	2	0·05	− 1·49	*	*	*	*
	Douglas (Isle of Man)	41	27	39·3	32·9	36·3	− 4·6	0	40	6	0·35	− 0·66	14·2	+ 0·9	24	+ 2
7. ENGLAND, N.W.	Newton Reigny	39	14	36·7	26·4	31·8	− 4·8	0	71	3	0·29	?	8·5	?	14	?
	Stonyhurst	39	28	37·0	31·5	34·4	− 4·1	0	53	5	0·09	− 0·88	10·7	+ 0·4	18	+ 1
	Blackpool Ⓜ	42	25	39·4	31·1	35·4	− 3·7	0	46	3	0·06	− 0·64	13·2	+ 2·7	22	+ 4
	Manchester (Prestwich)	40	29	37·4	31·3	34·5	− 4·2	0	53	6	0·18	− 0·52	6·0	?	10	?
	Liverpool Obsy. (Bidston)	40	28	37·7	31·9	34·9	− 4·9	0	50	2	0·03	− 0·49	9·9	?	16	?
	Llandudno Ⓜ	42	30	40·4	34·5	37·6	− 4·2	0	31	1	0·03	− 0·62	3·9	− 8·1	6	−15
	Holyhead	43	32	39·7	35·1	37·5	− 4·9	0	32	3	1·16	+ 0·44	*	*	*	*
8. ENGLAND, S.W.	Llandovery	43	28	39·7	30·4	35·2	− 2·8	0	48	3	0·03	− 1·13	*	*	*	*
	Pembroke	45	31	39·9	34·9	37·5	− 4·6	0	32	4	0·27	− 0·58	11·3	− 3·2	18	− 6
	Clifton	39	30	37·1	33·2	35·2	− 5·0	0	48	5	0·29	− 0·51	*	*	*	*
	Arlington (N. Devon)	41	30	37·7	32·9	35·4	− 5·0	0	46	5	0·13	− 0·77	*	*	*	*
	Cullompton Ⓜ	42	30	38·2	33·1	35·8	− 4·5	0	43	2	0·07	− 0·53	4·8	− 7·5	8	−11
	Falmouth	44	30	41·1	34·1	37·7	− 6·2	0	30	1	0·26	− 0·74	23·4	+ 8·1	37	+14
	Plymouth	43	31	40·2	33·9	37·2	− 5·2	0	34	1	0·04	− 0·84	11·3	− 2·9	18	− 5
9. IRELAND, N.	Malin Head	43	35	40·9	36·7	38·9	− 3·0	0	22	6	0·16	?	*	*	*	*
	Londonderry	44	30	41·6	32·1	37·0	− 4·0	0	35	4	0·14	− 0·76	*	*	*	*
	Edenfel (Omagh)	42	23	38·7	30·4	34·7	− 4·0	0	51	3	0·14	− 0·66	*	*	*	*
	Blacksod Point	45	30	42·1	33·9	38·2	− 5·1	0	30	4	0·28	?	*	*	*	*
	Markree Castle	44	21	42·0	29·8	36·1	− 4·1	0	41	2	0·05	− 0·67	27·1	+15·3	45	+24
	Armagh	42	21	39·6	29·9	34·9	− 4·8	0	50	1	0·14	− 0·38	17·5	+ 5·5	29	+ 9
	Donaghadee	43	30	40·9	34·6	37·9	− 3·2	0	29	2	0·14	− 0·58	*	*	*	*
10. IRELAND, S.	Dublin	43	30	40·7	33·8	37·4	− 4·8	0	32	7	0·82	+ 0·24	20·1	+ 5·0	33	+ 9
	Parsonstown	43	22	39·7	28·4	34·3	− 6·4	0	54	4	0·13	− 0·55	21·0	+ 7·4	34	+12
	Kilkenny	43	28	40·1	32·0	36·2	− 5·2	0	41	4	0·32	− 0·46	*	*	*	*
	Roche's Point	45	32	43·3	35·0	39·3	− 4·6	4	26	3	0·56	− 0·64	*	*	*	*
	Valencia	48	28	43·7	35·3	39·7	− 5·2	5	26	3	0·10	− 1·25	41·6	+27·4	67	+44
	Killarney	46	22	41·7	28·7	35·5	− 7·9	0	46	3	0·15	?	*	*	*	*
	Foynes	44	27	40·5	31·9	36·4	− 5·1	0	39	1	0·13	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	48	37	45·6	38·9	42·4	− 3·0	16	9	2	0·21	− 0·62	25·4	?	40	?
	Jersey	47	36	43·6	37·9	40·8	− 1·8	4	16	6	0·73	0·00	9·4	− 9·4	14	−15

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

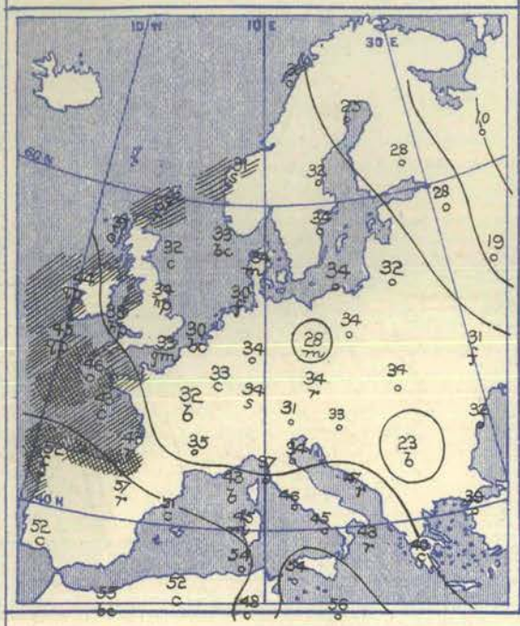
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 28th January.

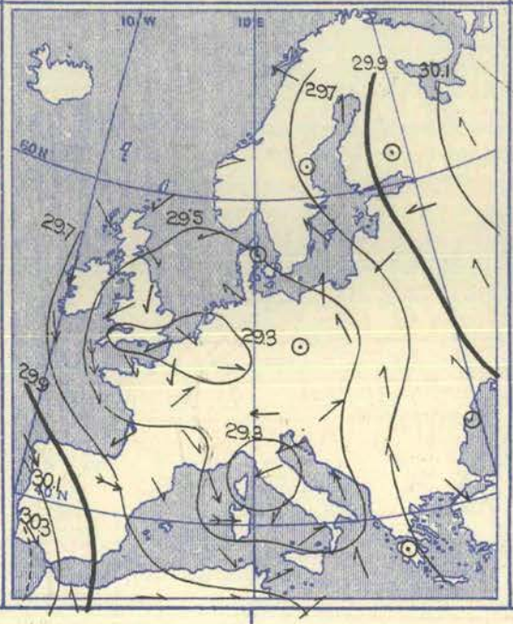
Temperature and Weather.

8 a.m.

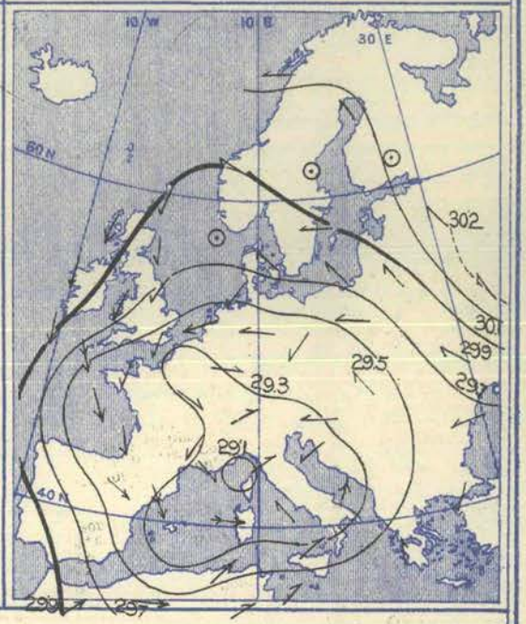


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair, but dull over northern Europe and Russia; unsettled, squally, and showery over the British Isles, though clearing occasionally in places; changeable over France and central Europe, with fog, rain, and snow in places. Considerable rainfall (including snow, or hail) later over all but the most northern countries; large falls at Rome and Naples; snow in London.

Temperature was falling decidedly over western and southern Europe. Morning readings highest, 56° at Malta, 54° at Palermo and Cagliari, 55° at Oran; 52° at Corunna and Lisbon, 46° at Scilly, 45° at Valencia, 42° at Portland Bill. Lowest, (1) 10° Fahr. at Archangel, 19° at Moscow, 28° at St. Petersburg, 28° to 36° over central Europe; (2) 32° at Aberdeen, Loughborough, and Paris, 33° in London. Rising later to only 39° over our south-eastern counties, and at Berlin, but to 44° at Stornoway, 48° at Valencia and Scilly, 52° at Nice, 54° at Biarritz, 61° at Cagliari and Palermo, and 62° at Algiers.

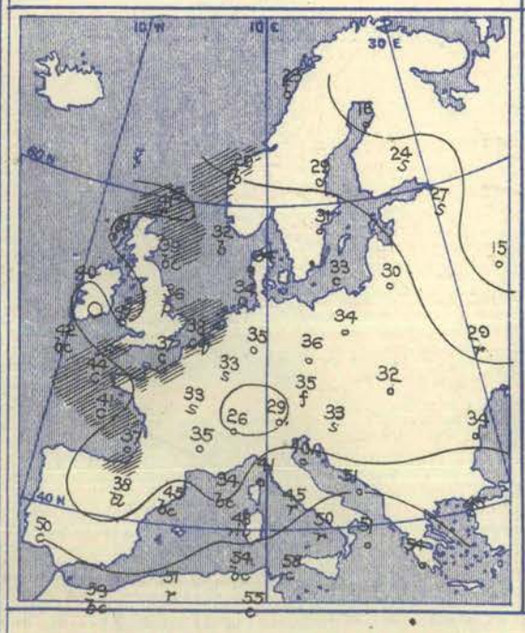
Wind light from South and South-East over northern Russia and Finland; Northerly, strong, in Ireland; North-Westerly over the Bay of Biscay; North-Westerly to Westerly (a gale in places) over the Mediterranean. A Northerly breeze setting in over all our northern districts and spreading southwards. Separate cyclonic circulation over England and the south of France.

Barometer highest, (1) 30·1 ins. and more to 29·7 ins. over Russia and Finland; (2) 30·2 ins. and more to 29·7 ins. over the Spanish Peninsula. Lowest, (1) 29·3 ins. and less in a depression over the south of France and north of Italy; (2) 29·3 ins. and less in a complex system developed over England and the Netherlands. (The depression noticed in the north on Saturday had dispersed.) The English system moving south-eastwards later and undergoing great changes.

Monday, 29th January.

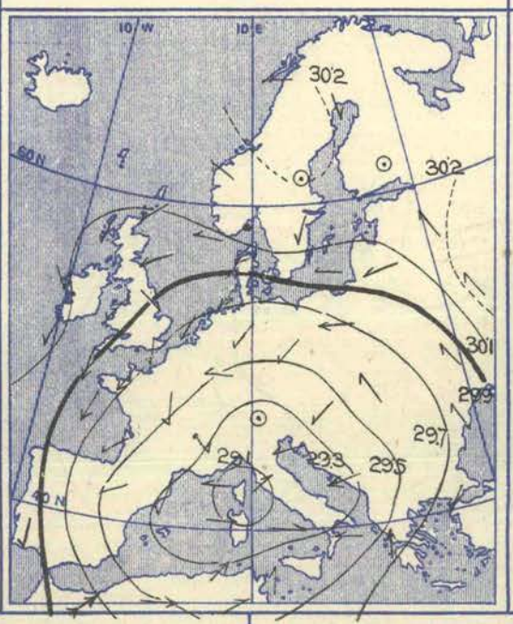
Temperature and Weather.

8 a.m.

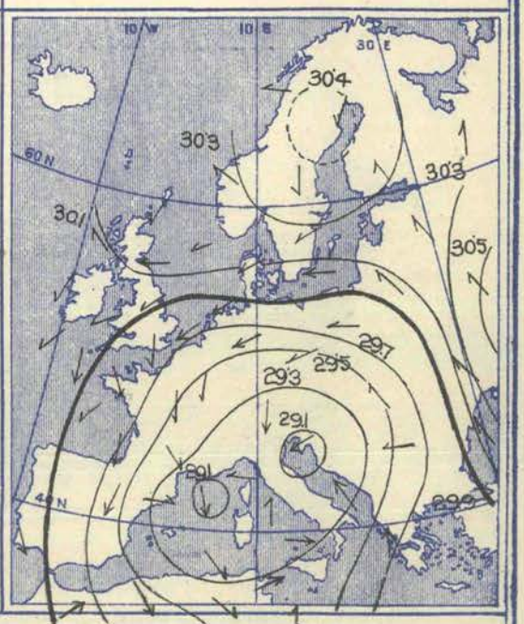


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very variable; fine and bright over Ireland and Norway; dull over other parts of our Islands and Continental Europe, with rain in several places, snow in others; fog at Prague; thunder and lightning at Biarritz. Cold showers later in most parts of Great Britain (most at Dungeness), and also at the French and German stations. Still fine generally over Ireland and Scandinavia.

Temperature fallen over central Europe. Morning readings highest, (1) 58° at Palermo, 51° at Algiers; (2) 44° at Scilly, 42° at Valencia, 43° at Malin Head. Lowest, (1) 15° at Moscow, 16° at Haparanda, 18° at Kharkov, 20° at Christiansund, 31° at Karlstad; (2) 28° at Parsonstown, 31° at Loughborough. Rising later to 40° and more almost all over our Islands; (1) to 46° at Valencia, 47° at Scilly; to 45° on the west coast of France, 46° at Biarritz, 48° at Nice.

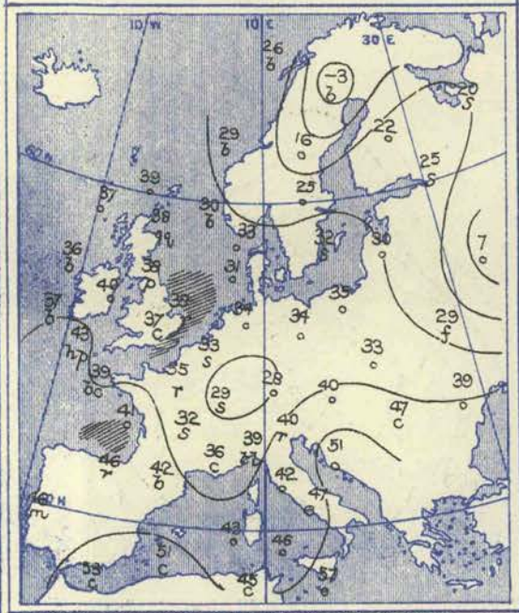
Wind was Easterly and North-Easterly all over northern Europe—more Northerly in our Islands and over France; Westerly to Southerly over the Mediterranean; South-Easterly to Southerly over Hungary and the south of Russia. Blowing rather strongly over the North Sea.

Barometer highest, (1) 30·3 ins. and more to 30·1 ins. over central Russia, and 30·2 ins. and more to 30·1 ins. over the northern parts of Scandinavia; (2) 30·1 ins. and more in the south-west of Ireland, and 30·0 ins. at Lisbon. Lowest, 29·1 ins. and less to 29·4 ins. in a depression over the north-east of the Mediterranean and the surrounding countries. Beginning to fall in Ireland later; rising on the Continent.

Tuesday, 30th January.

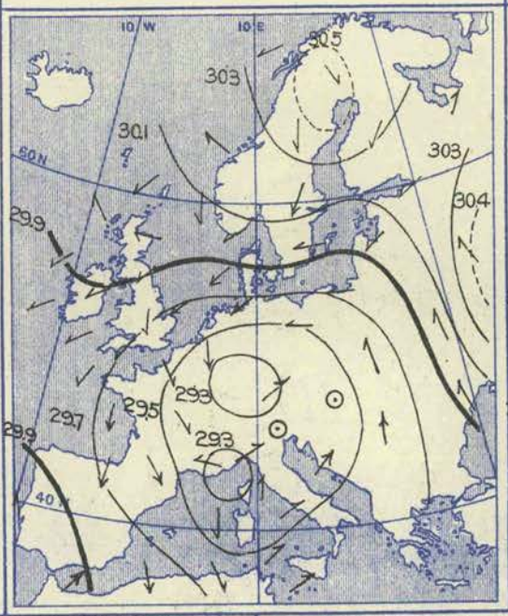
Temperature and Weather.

8 a.m.

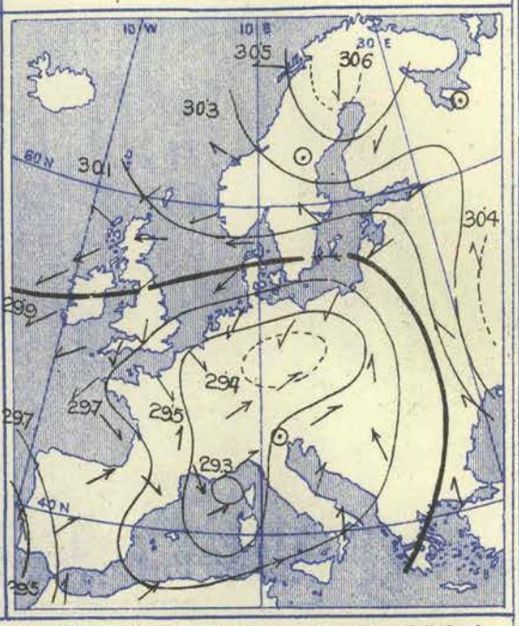


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Ireland, Norway, and Lapland; dull elsewhere; fog, rain, and snow in several parts of central Europe, the Baltic, the North Sea, and the eastern parts of Great Britain; rain and snow very general over France. Rain or snow later in all parts of the Continent, and in the north and east of Great Britain, but, up to the present, no heavy falls reported.

Temperature in morning highest, 57° at Malta, 53° at Oran, 47° at Naples, 46° at Biarritz, 43° at Scilly, 41° at Jersey, 40° at Holyhead and Malin Head. Lowest, (1) -3° at Haparanda, +7° at Moscow, and 9° at Kharkov; (2) 28° at Munich, 33° at Breslau and Münster; (3) 31° at Parsonstown, 34° at Loughborough. Rising to 40° and more all over the British Islands later, and to 50° at Biarritz.

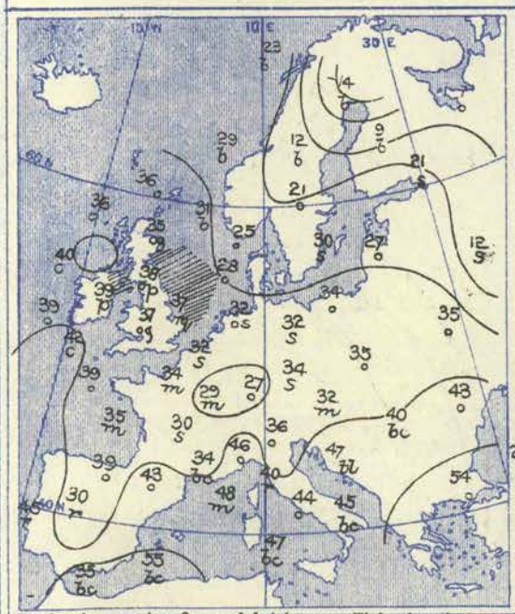
Wind (1) light to moderate and anticyclonic over northern Europe, Scotland, and Ireland, Southerly in the south-west of Spain, South-Easterly over central Russia; (2) cyclonic elsewhere as a whole, Easterly and fresh to strong over the Baltic and North Sea, Northerly, moderate to fresh, over France, South-Westerly to Southerly over Italy and the Adriatic (a moderate gale at Lesina), and Southerly over the south of Austria and Russia. Strong, North-Westerly over Algeria and Tunis.

Barometer highest, (1) 30·5 ins. and more over the east of Lapland and the northern parts of the Gulf of Bothnia; 30·0 ins. and more over Scotland; 29·8 ins. and more over Ireland; (2) 29·9 ins. and more to 29·8 ins. over the southern parts of Portugal and Spain, and over Algeria; (3) 30·4 ins. and more to 30·0 ins. over Russia. Lowest, 29·3 ins. and less in a depression over central Europe, and in another over the north-eastern parts of the Mediterranean. The depression over central Europe moving north-eastwards later.

Wednesday, 31st January.

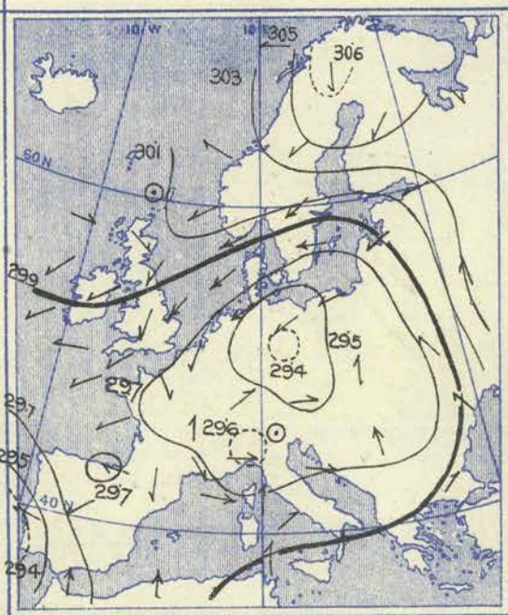
Temperature and Weather.

8 a.m.

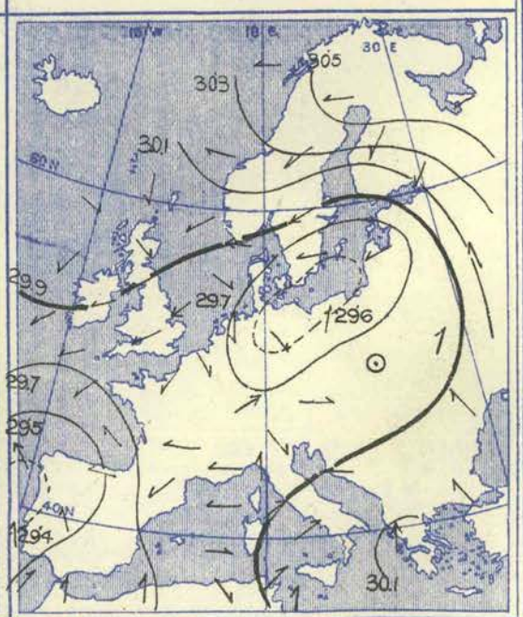


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over Finland and the northern and western parts of Scandinavia, fair in some parts of south-eastern Europe and the north of Africa, very dull and unsettled elsewhere with snow or cold rain over several parts of central Europe and the British Islands, rainy in Portugal and Spain and at several stations in Italy, thunder and lightning at Lesina. Cold showers later in the northern parts of our Islands and in Sweden, also over Germany, the south of France and over Spain.

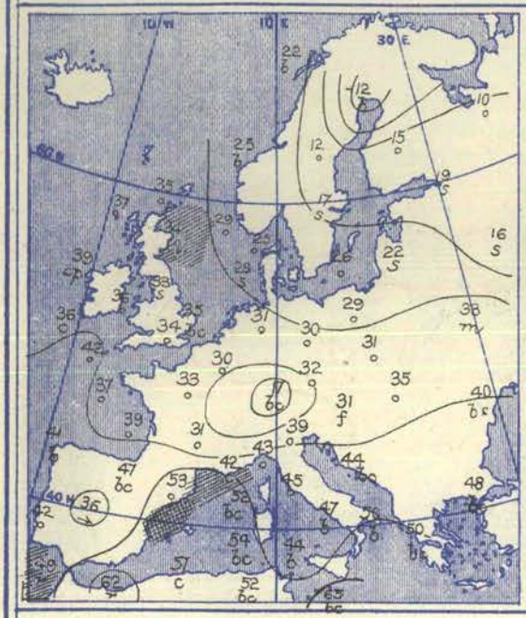
Temperature in morning highest, 55° to 50° over Algeria, 45° at Lisbon, 46° at Leghorn, 42° at Scilly and Jersey, 40° in the north of Ireland. Lowest, (1) -14° Fahr. at Haparanda, +7° at Archangel, and 12° at Hernösand and Moscow; (2) 27° at Munich, 29° at Belfort; (3) 34° in the north-east of Scotland, 35° at Loughborough. Exceeding 40° later at nearly all our western and southern stations, and touching 46° at Scilly, 50° at Nice, 63° at Cagliari, 70° on the Algerian coast.

Wind (1) strong to a gale from the North-Eastward over the Baltic and the south of Sweden, and strong also on the eastern shores of the North Sea; (2) North-Easterly, moderate to fresh, over England and Ireland, light in the north and west of France, but Westerly to Southerly over the Mediterranean, Southerly and South-Easterly over south-eastern and eastern Europe. Southerly and South-Easterly winds setting in over the south-west of the Spanish Peninsula and Southerly in north-western Africa.

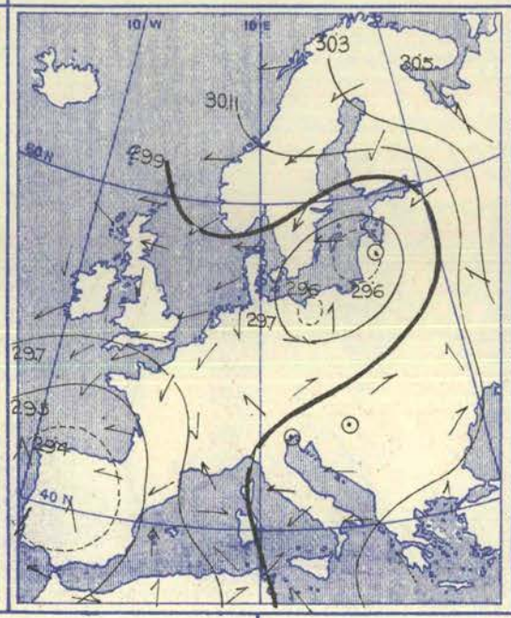
Barometer highest, 30·6 ins. and more over the northern extremity of the Gulf of Bothnia, and exceeding 29·9 ins. all over the north of our Islands, northern Europe and Russia; 29·9 ins. and more at Constantinople and in Sicily, and exceeding 29·7 ins. in a broad band extending from the south of our Islands to the western part of the Mediterranean. Lowest, (1) 29·4 ins. to 29·6 ins. in a large and complex depression covering the whole of central Europe. (2) 29·4 ins. and less in another depression advancing towards the south of Portugal from the south-westward. Both depressions moving north-eastwards later; high-pressure area over northern Europe beginning to give way.

Thursday, 1st February.

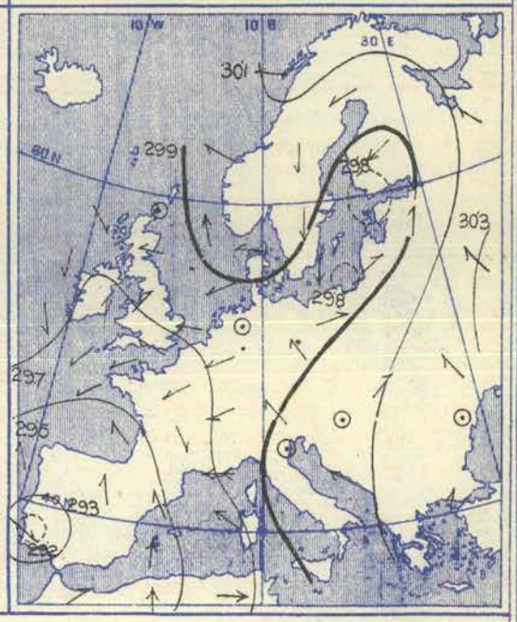
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean, the south-east and the extreme north of Europe. Cloudy or overcast and very gloomy elsewhere, with snow in several localities, rain in others. Slight cold showers (snow, sleet, or cold rain) locally, both over our Islands and the Continent, but a considerable amount (0·57 ins.) at Holyhead.

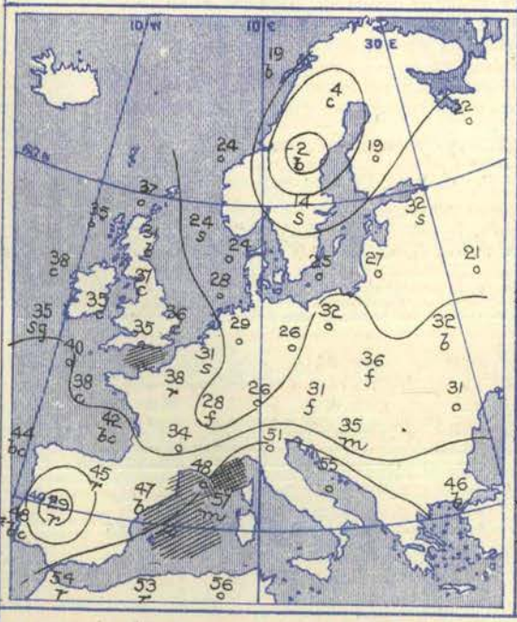
Temperature in morning highest, (1) 65° at Malta, 57° at Algiers and Oran, 52° at Cagliari; (2) 47° at Biarritz, 42° at Scilly, 40° at Jersey, and 39° at Roche's Point and Malin Head. Lowest, (1) −12° at Haparanda, +10° at Archangel, 16° at Moscow, 19° at St. Petersburg; (2) 17° at Munich, 28° at Belfort, 30° at Berlin and Breslau; (3) 31° at Loughborough and Liverpool, 32° in London, 33° at Parsonstown. Not touching 30° over northern Europe later, nor 40° on our north and east coasts, but rising to 44° at Jersey and Scilly, and to 54° at Rochefort and Nice.

Wind (1) strong from north-east over Finland and Sweden, but South-Westerly (light) over Germany; (2) mainly Easterly to North-Easterly over the British Islands and France, but variable at the northern stations; (3) Easterly to Southerly over the Mediterranean, and strong in places. Anticyclonic breezes observed over Spain, south-eastern Europe, in the north of Russia, and the west of Ireland.

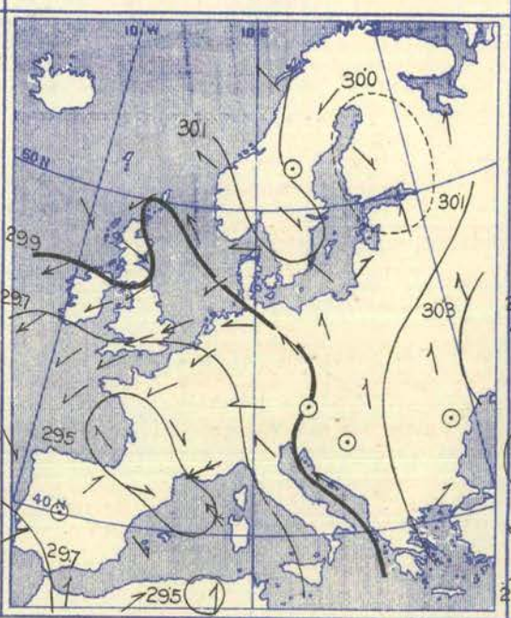
Barometer highest, (1) 30·52 ins. at Archangel, and exceeding 30·0 ins. over all the northern parts of Scandinavia and Finland, and the whole of Russia; (2) 30·1 ins. to 30·0 ins. over south-eastern Europe; (3) 29·8 ins. and more over the west of Ireland. Lowest, (1) 29·4 ins. and less in a depression over Spain and the south of the Bay of Biscay; (2) 29·6 ins. and less in another near Riga. Changing very irregularly, but not greatly, over western Europe later.

Friday, 2nd February.

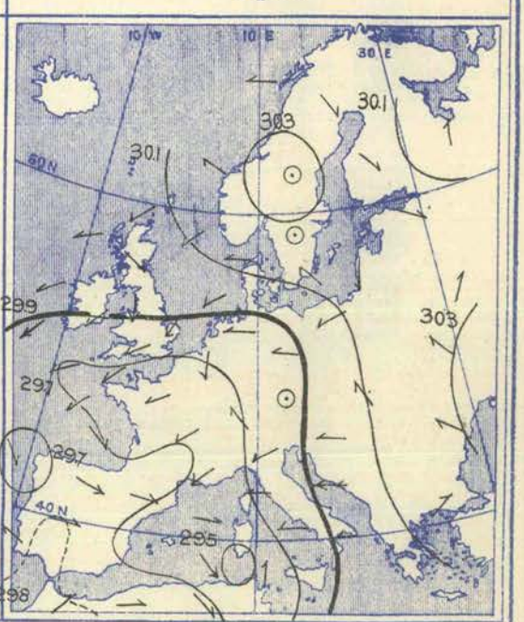
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over northern Europe, but with slight snow showers in places; gloomy and unsettled over the south of England, and rainy in parts of the centre and south-west of France. Showers of snow later over Scotland and the north of England, and a heavy fall over the southern and south-midland counties, and at Roche's Point. Considerable rain in the south of France and in Italy.

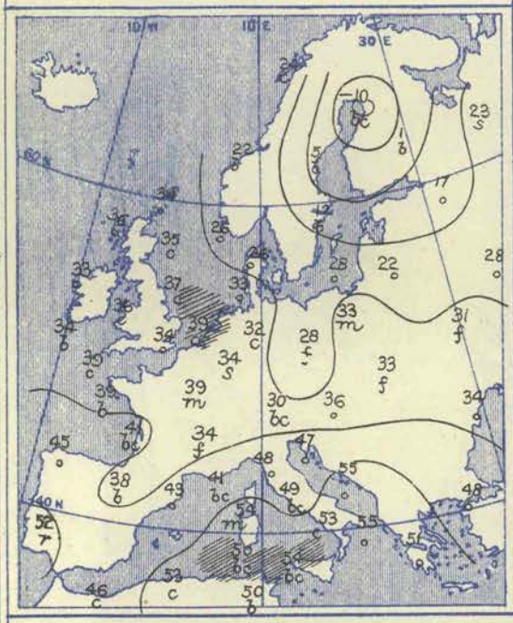
Temperature in morning highest, 57° at Sanguinaire, 56° to 50° on the shores of Tunis and Algeria, 55° at Lesina, 45° to 42° in the south-west of France and north of Spain, 40° at Jersey, 38° at Roche's Point and Blacksod Point. Lowest, (1) −2° Fahr. at Hernosand, +19° at Helsingfors and Warsaw, 26° at Munich, 30° to 36° over the south-eastern parts of Europe; (2) 29° at Leith and Liverpool, 31° at Aberdeen, 32° at Parsonstown, Oxford, and Portland Bill. Rising to between 45° and 40° at several of our south-western stations later, to 48° at Brest, 54° at Perpignan, and 63° at Sanguinaire, Oran, and Palermo.

Wind (1) light and very variable over northern Europe—chiefly North-Westerly in Scotland, South-Easterly over the Baltic; (2) East-North-Easterly, moderate to fresh, over our southern counties and the Channel, Northerly over the Bay of Biscay, North-Westerly, light, over Spain. A gale from South-East over the eastern parts of the Mediterranean.

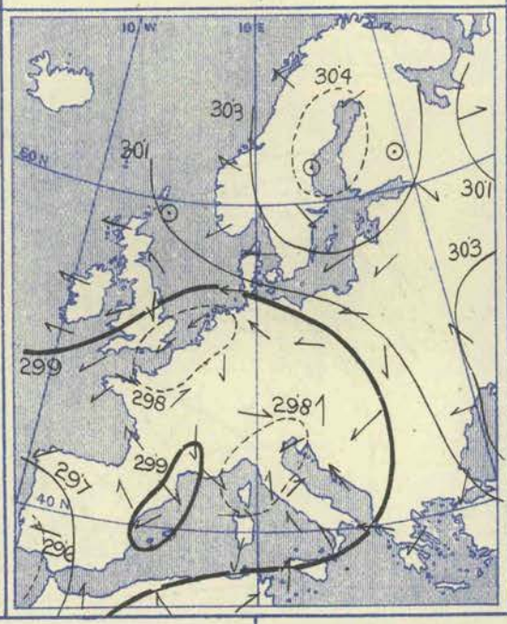
Barometer in morning highest, (1) 30·1 ins. and more to 30·0 ins. over Scandinavia; (2) 30·3 ins. and more to 30·0 ins. over Russia and south-eastern Europe; (3) 29·9 ins. and more over Scotland and the extreme north of Ireland; (4) 29·7 ins. and more over the south-west of the Spanish Peninsula and Morocco. Lowest, (1) 30·0 ins. and less over Finland; (2) 29·5 ins. and less over the south-west of France, the north-west of the Mediterranean, and at La Calle; (3) below 29·7 ins., and falling, over the Azores. New disturbances appearing over France later; that over Finland disappearing; depression found near Cagliari (apparently that near La Calle in morning).

Saturday, 3rd February

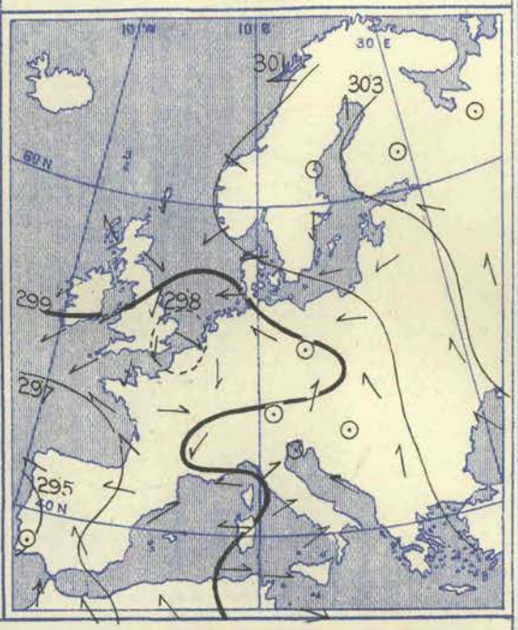
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over Finland, Scandinavia, Scotland, and Ireland; foggy over south-eastern Europe; foggy and rainy in France. Snow over the Midland parts of England. Considerable snow over our north-eastern and Midland counties later. Slight showers over various parts of Scotland and Continental Europe.

Temperature in morning highest, 55° at Lesina and Brindisi, 54° at Sanguinaire and Algiers, 52° at Lisbon, 41° at Rochefort, 39° at Scilly and Yarmouth. Lowest, (1) −10° Fahr. at Haparanda, +1° at Kuopio, 17° at St. Petersburg, and below the freezing point over Russia generally; (2) 28° at Berlin, 30° to 36° over central Europe as a whole; (3) 22° at Parsonstown, 27° at Nairn, 31° at Oxford. Exceeding 40° later at several of our northern and south-western stations; touching 44° at Scilly, 47° at Jersey, 48° at Brest 54° at Nice, and 61° in the Azores.

Wind (1) light and anticyclonic over northern Europe, Easterly, moderate, over the Baltic; (2) South-Easterly in Scotland, North-Easterly over England; (3) South-Easterly in the south-west of France, Easterly over Portugal; (4) light, but cyclonic, over the north-eastern parts of the Mediterranean and north Italy. Shifting to South-East at Lisbon later, and also in the north-west of our Islands.

Barometer highest, (1) 30·5 ins. to 30·0 ins. over the south of Russia and south-eastern Europe, and 30·4 ins. and more to 30·0 ins. over Scandinavia and Scotland; (2) 29·8 ins. and more over the western parts of France. Lowest, (1) 29·8 ins. and less in a shallow complex depression over the south-east of England, the Netherlands, and the north-east of France, and in another shallow system over the north-east of the Mediterranean, northern Italy, and the northern extremity of the Adriatic; (2) 29·57 ins. at Lisbon. Falling later at Lisbon; changing little elsewhere.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week the barometer was high (1) over the north-eastern part of Russia, (2) over the Azores and Portugal, but lowest in a depression over the north of Italy and in another very complex system over the south of England, the Netherlands and the eastern parts of Germany. Temperature was rather low, the wind North-Easterly in the north, Northerly to North-Westerly in the extreme west and south-west, with smaller cyclonic series over the Mediterannean and our southern and south-eastern districts.

Although subject to slight reduction in the intensity of the two high-pressure systems just referred to and to the appearance (after Tuesday) of low-pressure systems over Portugal and Spain, the relative distribution of pressure over north-western Europe was little altered during the week, and cold Northerly to North-Easterly winds prevailed over our Islands as a whole, while Westerly to Southerly breezes were felt occasionally over the south-west and south of the Continent. On Friday night a heavy snowstorm was experienced over the southern counties of England. Cloud and gloom were very prevalent except in Ireland and Scotland, and cold rain and snow showers occurred in most places.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 26.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	9·4	?	17	?	BRIGHTON	5·8	− 7·7	9	−13
STRATHPEFFER SPA	13·7	+ 4·4	25	+ 7	WORTHING	4·3	?	7	?
EDINBURGH	5·3	− 4·7	9	− 8	BOGNOR	5·6*	?	9*	?
MORPETH		?		?	WATERGATE (Emsworth)	5·8	?	9	?
NEWCASTLE-ON-TYNE	4·5	?	8	?	WESTBOURNE (Emsworth)	5·6*	− 8·9	9*	−15
OSWALDKIRK (Yorkshire)	10·8	− 0·4	18	− 1	VENTNOR HOSPITAL	5·5	?	9	?
YORK	10·6	+ 0·6	18	+ 2	SOUTHPORT	14·4	?	24	?
LOWESTOFT	0·4	?	1	?	RHYL	7·7*	?	13*	?
HOLLESLEY BAY	2·8	?	5	?	COLWYN BAY	1·4	?	2	?
SHEFFIELD	4·4	?	7	?	ABERDOVEY	14·2*	?	23*	?
WORKSOP	10.1	− 0·7	17	− 1	TENBY	8·0	− 7·6	13	−13
THURCASTON (Leicestershire)	7·4	− 3·6	12	− 6	NEWQUAY	23·4	+ 8·4	37	+15
MARGATE	5·1	− 7·7	8	−12	TORQUAY	10·9	− 3·8	17	− 7
EASTBOURNE	3·6	−10·5	6	−16	GUERNSEY	9·2*	−13·5	8*	−21

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No 6.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 10TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE --The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 32.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	43	1	33·4	19·6	26·5	12 below	0	− 7	109	+67	19	−19	264	+ 9
	1. SCOTLAND, EAST	43	− 2	33·5	19·8	26·7	11 below	0	− 9	107	+64	24	−21	279	+13
	2. ENGLAND, N.E.	40	15	35·5	26·5	31·0	8 below	0	− 8	77	+39	32	− 7	222	−20
	3. ENGLAND, EAST	42	10	37·5	25·8	31·7	7 below	0	−10	72	+30	36	− 8	230	−48
	4. MIDLAND COUNTIES	40	11	35·6	22·7	29·2	9 below	0	−11	90	+47	41	−13	250	−27
	5. ENGLAND, SOUTH	42	18	37·3	27·0	32·1	8 below	0	−12	69	+35	68	+ 7	195	−30
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	43	13	34·4	24·1	29·3	10 below	0	−10	89	+59	41	−16	215	+24
	7. ENGLAND, N.W.	41	8	35·6	25·0	30·4	9 below	0	− 9	81	+50	39	− 8	198	− 4
	8. ENGLAND, S.W.	45	10	39·4	28·1	33·8	8 below	0	−16	57	+32	88	+ 3	141	−22
	9. IRELAND, NORTH	42	15	38·2	26·1	32·2	9 below	0	−14	69	+43	58	−17	180	+13
	10. IRELAND, SOUTH	43	17	37·4	25·8	31·6	11 below	0	−21	73	+53	98	−15	167	+35
	—CHANNEL ISLANDS	48	25	42·8	35·2	39·0	5 below	2	−19	24	+12	162	+37	39	−36

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 32.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	4	8 less	35	+ 3	7·9	+ 0·5	21	+11	36	+17	55	+16	17	+ 5
	1. SCOTLAND, EAST	3	2	5 less	29	+ 5	4·2	+ 0·3	25	+12	40	+18	70	+13	22	+ 4
	2. ENGLAND, N.E.	5	6	2 more	27	+ 5	3·4	+ 0·7	18	+ 4	28	+17	68	+ 7	20	+ 3
	3. ENGLAND, EAST	2	2	3 less	27	+ 4	3·7	+ 1·0	28	+11	43	+17	76	+ 2	21	0
	4. MIDLAND COUNTIES	2	3	3 less	26	+ 3	4·1	+ 0·8	21	+11	33	+18	63	+ 5	20	+ 1
	5. ENGLAND, SOUTH	2	5	1 less	26	+ 4	4·5	+ 0·9	24	+ 8	36	+11	77	+ 2	21	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	5	7 less	31	+ 3	7·7	− 0·4	23	+11	36	+17	73	+18	22	+ 5
	7. ENGLAND, N.W.	3	8	1 more	28	+ 3	5·3	+ 1·1	18	+ 3	29	+ 4	65	+ 4	19	+ 2
	8. ENGLAND, S.W.	2	4	5 less	30	+ 4	6·3	+ 0·8	33	+16	50	+25	100	+20	28	+ 6
	9. IRELAND, NORTH	4	2	5 less	34	+ 5	4·6	+ 0·1	31	+18	43	+28	112	+47	33	+14
	10. IRELAND, SOUTH	3	7	1 less	32	+ 5	5·5	0·0	27	+12	42	+18	108	+28	31	+ 8
	— CHANNEL ISLANDS	3	8	0 (average)	34	+ 6	6·7	+ 2·1	23	− 2	34	− 4	88	−15	20	− 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was fair and dry as a whole, but slight falls of snow or sleet were very prevalent in the extreme north and north-west. During the latter half of the week, however, very heavy snow was experienced in the south-west of Ireland, and at its close large quantities fell over Wales and considerable falls occurred over the south and east of England.

Temperature was much below the mean, the deficit ranging from 5° in the Channel Islands, 7° in England E., and 8° in England S.W., to 11° in Scotland E. and Ireland S., and to 12° in Scotland N. The highest of the maxima were recorded on rather irregular dates, and varied from 48° in the Channel Islands, to 40° in England N.E., and the Mid and Counties. At many of the northern stations the daily maxima were frequently below 32° ; at Braemar and Wick on Friday the thermometer did not rise above 21° and 22° respectively. The absolute minima were very low, and occurred generally towards the end of the week. They ranged from −2° in Scotland E. (at Braemar), +1° in Scotland N. (at Lairg), and from 7° in Scotland N., 10° in England E. and S.W., and 11° in the Midland Counties, to 18° in England S., and 25° in the Channel Islands.

Rainfall was more than the mean in England N.E. and N.W., and just equal to it in the Channel Islands ; but less in all other parts of the Kingdom, the deficiency being greatest in Scotland.

Bright Sunshine exceeded the mean in all parts of the Kingdom except the Channel Islands, the excess being in most cases large. The percentage of the possible duration ranged from 50 in England S.W., 49 in Ireland N., and 43 in England E., to 33 in the Midland Counties, and 28 in England N.E.

Barometer and Wind.—The distribution of pressure during this period changed frequently, and was, as a rule, rather complex. No well-defined depression appeared immediately over us until the week was drawing to a close, when a rather deep disturbance moved north-eastwards directly across England. Northerly to Easterly winds of little force were experienced over the Kingdom generally, but under the influence of the depression just mentioned slight Southerly gales were felt in the south-east, and Northerly gales on some parts of our western coasts.

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II.—DATA from which the SUMMARY on page 31 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	36	20	32·4	23·7	28·1	−10·4	0	97	6	0·22	− 0·59	*	*	*	*
	Stornoway	40	19	35·9	24·1	30·0	− 9·0	0	84	7	0·64	− 0·37	22·3	+10·2	37	+17
	Wick	40	12	30·9	20·9	25·9	−12·1	0	113	7	0·61	+ 0·09	*	*	*	*
	Lairg (S)	43	1	37·2	13·0	25·1	−11·6	0	118	5	0·69	− 0·11	*	*	*	*
	Glencarron (S)	38	11	31·8	17·5	24·7	−12·3	0	121	3	0·38	− 1·61	*	*	*	*
	Fort Augustus (S)	36	7	33·1	17·1	25·1	−13·2	0	118	3	0·10	− 0·85	17·6	+10·5	29	+17
	Fort William (S)	37	11	32·3	20·9	26·6	−12·1	0	108	2	0·16	− 1·86	18·3	+ 7·9	30	+12
1. SCOTLAND E.	Nairn	38	9	33·9	19·3	26·6	−11·0	0	108	3	0·13	− 0·26	*	*	*	*
	Aberdeen	35	15	32·7	21·9	27·3	−10·7	0	103	5	0·52	− 0·28	38·5	+22·5	63	+37
	Braemar (S)	32	−2	27·2	11·6	19·4	−15·3	0	158	3	0·05	− 0·68	25·0†	+12·5†	41†	+20†
	Ochtertyre (S)	43	15	37·6	20·6	29·1	− 7·7	0	90	1	0·15	− 0·85	*	*	*	*
	Leith	40	19	36·6	24·3	30·5	− 8·8	0	81	2	0·16	− 0·28	*	*	*	*
	Marchmont (S)	35	14	33·1	21·1	27·1	− 9·8	0	104	1	0·24	− 0·42	15·8	+ 6·0	32	+ 9
2. ENGLAND, N.E.	Alnwick Castle	37	15	33·7	23·3	28·5	− 9·7	0	95	6	1·20	+ 0·65	*	*	*	*
	Durham	36	19	33·3	24·3	28·8	− 9·1	0	92	6	0·71	+ 0·27	15·9	+ 6·1	32	+ 9
	Shields	40	20	35·3	26·1	30·7	− 8·5	0	79	5	0·61	+ 0·19	*	*	*	*
	Scarborough (M)	40	23	36·8	28·8	32·8	− 6·3	0	64	3	0·53	+ 0·05	?	?	?	?
	Spurn Head	40	26	38·4	29·9	34·2	− 4·8	0	55	3	0·06	− 0·31	*	*	*	*
3. ENGLAND, E.	Hillington (M)	41	18	37·4	26·4	31·9	− 6·5	0	71	3	0·25	− 0·23	22·2	+ 7·5	35	+11
	Yarmouth	40	24	37·0	28·9	33·0	− 5·0	0	63	2	0·26	− 0·22	*	*	*	*
	Geldeston	42	19	38·9	26·0	32·5	− 6·5	0	67	2	0·26	− 0·14	26·7	+11·2	41	+17
	Cambridge	41	14	38·2	23·7	31·0	− 7·7	0	77	1	0·18	− 0·20	26·7	+11·7	41	+18
	Felixstowe	41	22	38·0	28·1	33·1	− 5·3	0	62	0	—	?	31·2†	?	48†	?
	Rothamsted	38	10	35·7	21·4	28·6	− 9·4	0	94	2	0·18	− 0·36	26·6	+12·6	41	+19
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	40	17	26·6	24·7	30·7	− 7·8	0	79	3	0·32	− 0·11	*	*	*	*
	Loughborough	39	13	37·1	22·1	29·6	− 9·2	0	87	4	0·20	− 0·28	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle (M)	36	18	34·1	23·0	28·6	− 8·9	0	94	3	0·67	+ 0·02	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	37	18	34·5	24·8	29·7	− 7·9	0	86	2	0·26	− 0·17	7·4	?	11	?
	Churchstoke (M)	38	11	34·6	19·5	27·1	−11·4	0	104	2	0·26	− 0·39	22·4	+ 8·4	35	+14
	Hereford (Belmont) (M)	39	14	36·7	23·2	30·0	− 9·4	0	84	3	0·16	− 0·41	*	*	*	*
	Cirencester	36	13	34·9	21·1	28·0	−10·0	0	98	1	0·11	− 0·57	31·7	+16·5	49	+26
	Oxford	39	15	36·3	23·0	29·7	− 9·8	0	86	1	0·07	− 0·43	26·6	+12·6	41	+19
5. ENGLAND, S.	London	40	18	37·0	26·3	31·7	− 8·3	0	72	2	0·40	− 0·06	9·9†	+ 2·1†	15†	+ 3†
	Cranley (M)												*	*	*	*
	Dungeness	41	21	38·9	27.7	33·3	− 6·5	0	61	2	0·51	− 0·05	*	*	*	*
	Hastings (St. Leonards)	38	24	36·9	28·5	32·7	− 7·3	0	65	4	0·59	− 0·01	27·2	+ 9·5	41	+14
	Southampton	41	22	38·6	26·0	32·3	− 8·4	0	68	2	0·32	− 0·37	27·6	+11·3	42	+17
	Portland Bill	42	25	38·7	38·6	33·7	− 7·5	0	58	1	0·47	?	*	*	*	*
	Shaftesbury (M)	35	20	33·5	24·6	29·1	− 9·1	0	90	1	0·48	− 0·19	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	35	13	32·7	20·5	26·6	−13·4	0	108	3	0·59	− 1·26	*	*	*	*
	Glasgow	37	19	33·6	24·9	29·3	− 9·7	0	89	2	0·32	− 0·58	20·1	+11·2	33	+19
	Glenlee (S)	37	18	33·1	23·4	28·3	− 9·4	0	96	? 2	? 0·60	? − 0·80	*	*	*	*
	Douglas (Isle of Man)	43	19	38·2	27·5	32·9	− 7·9	0	64	4	0·62	− 0·32	25·0	+10 0	39	+15
7. ENGLAND, N.W.	Newton Reigny	36	8	33·0	18·1	25·6	−11·4	0	115	2	0·45	?	17·6	?	28	?
	Stonyhurst	38	16	34·3	25·1	29·7	− 9·0	0	86	3	0·68	− 0·25	14·9	+ 2·7	23	+ 4
	Blackpool (M)	41	17	36·9	23·6	30·3	− 9·0	0	82	2	0·27	− 0·38	16·9	+ 4·7	26	+ 6
	Manchester (Prestwich)	38	12	34·4	22·5	28·5	−10·2	0	95	3	0·81	+ 0·17	9·8	?	15	?
	Liverpool Obsy. (Bidston)	39	20	34·6	25·4	30·0	−10·0	0	84	5	0·68	+ 0·20	18·0	?	28	?
	Llandudno (M)	40	27	38·4	29·1	33 8	− 8·0	0	57	4	0·79	+ 0·21	17·5	+ 3·5	27	+ 4
	Holyhead	39	28	37·9	31·3	34·6	− 7·6	0	52	5	1·59	+ 0·91	*	*	*	*
8. ENGLAND, S.W.	Llandovery	42	10	40·1	22·3	31·2	− 7·1	0	76	2	0·39	− 0·69	*	*	*	*
	Pembroke	45	29	40·6	32·0	36·3	− 5·9	0	40	2	0·61	− 0·17	39·4	+21·9	61	+35
	Clifton												*	*	*	*
	Arlington (N. Devon)	39	22	37·1	27·0	32·1	− 8·6	0	69	1	0·34	− 0·58	*	*	*	*
	Cullompton (M)	41	21	38·6	26·8	32·7	− 7·9	0	65	1	0·22	− 0·45	26·6	+12·1	40	+18
	Falmouth	45	28	39·5	30·8	35·2	− 8·6	0	48	3	0·50	− 0·48	33·3	+16·1	50	+24
	Plymouth	44	26	40·7	29·4	35·1	− 7·4	0	48	1	0·27	− 0·53	27·6	+11·4	42	+17
9. IRELAND, N.	Malin Head	40	27	37·0	31·0	34·0	− 7·9	0	56	6	0·46	?	*	*	*	*
	Londonderry	42	15	39·1	25·0	32·1	− 8·9	0	69	4	0·31	− 0·51	*	*	*	*
	Edenfel (Omagh)	39	15	36·6	21·6	29·1	− 9·8	0	90	3	0·06	− 0·66	*	*	*	*
	Blacksod Point	41	27	39·7	29·9	34·8	− 8·4	0	50	6	0·50	?	*	*	*	*
	Markree Castle	42	16	39·2	21·8	30·5	− 9·7	0	81	5	0·18	− 0·50	32·9	+19·8	51	+30
	Armagh	41	21	37·8	24·7	31·3	− 8·6	0	75	2	0·03	− 0·49	29·9	+16·8	47	+26
	Donaghadee	41	23	38·1	28·4	33·3	− 7·8	0	61	2	0·06	− 0·62	*	*	*	*
10. IRELAND, S.	Dublin	40	22	37·7	28·7	33·2	− 9·0	0	62	6	0·34	− 0·21	26·8	+10·8	42	+17
	Parsonstown	38	17	36 4	19·6	28·0	−12·9	0	98	1	0·14	− 0·49	25·9	+11·4	40	+17
	Kilkenny	38	19	35·4	24·1	29·8	−11·8	0	85	3	0·53	− 0·20	*	*	*	*
	Roche's Point	43	29	40·0	31·4	35·7	− 8·1	0	44	3	0·48	− 0·67	*	*	*	*
	Valencia	42	24	39·2	29·0	34·2	−10·8	0	55	3	1·49	+ 0·19	29·4	+13·6	45	+20
	Killarney	41	17	36·8	21·9	29·4	−14·0	0	88	3	1·37	?	*	*	*	*
	Foynes	39	22	36·1	25·8	31·0	−10·5	0	77	1	0 81	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	48	33	43·9	35·4	39·7	− 5·8	5	25	2	0·20	− 0·58	34·9	?	53	?
	Jersey	44	25	41·7	34·9	38·3	− 4·5	0	26	4	1·30	+ 0·62	22·0	+ 2·2	33	+ 2

Stations marked (M) are in connection with the Royal Meteorological Society, and those marked (S) with the Scottish Meteorological Society.

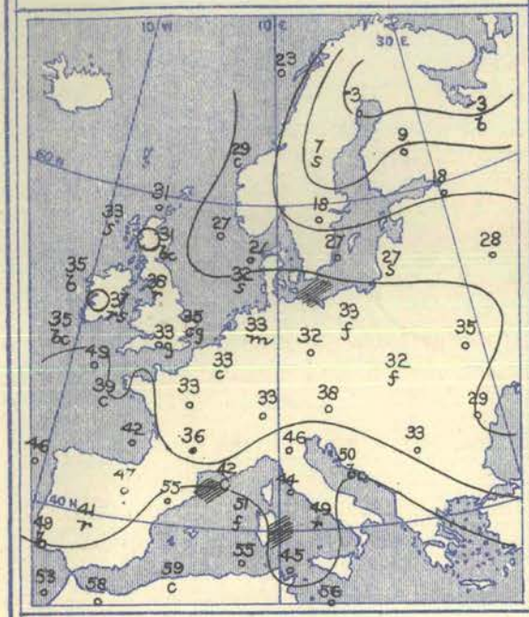
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

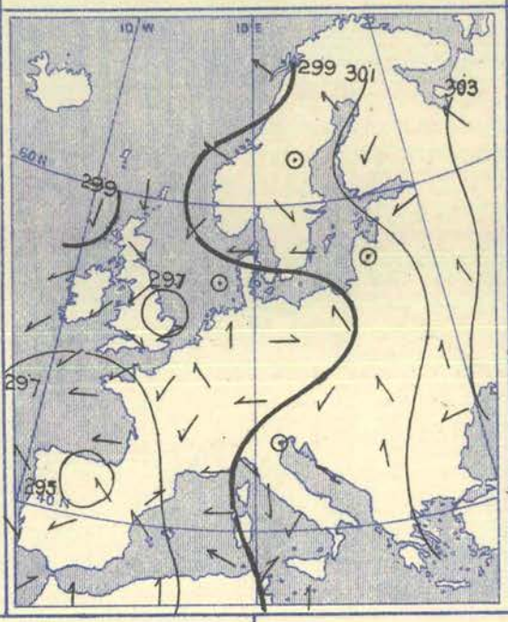
Note.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 4th February.

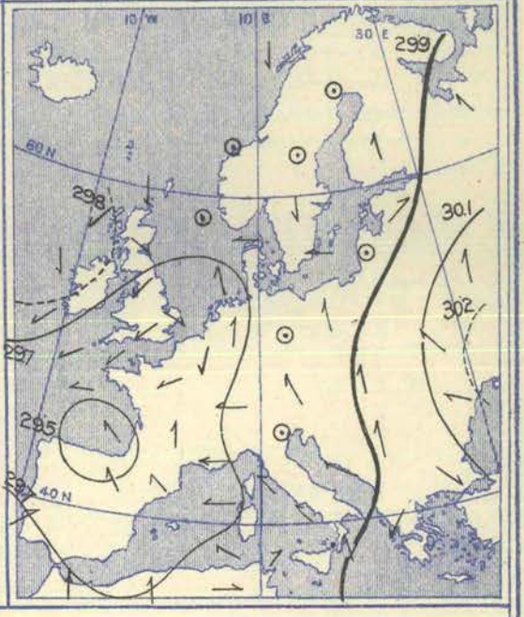
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of Ireland and Scotland, but snow reported at Stornoway. Dull and unsettled over England and the Continent, with rain and sleet over our northern counties; rain falling also at Lorient, Madrid, Naples, and Buda-Pesth, and snow at Hernösand, Faerder, and Faaö. Snow showers falling later over the northern part of our Islands and the Continent generally, and rain in France and Italy.

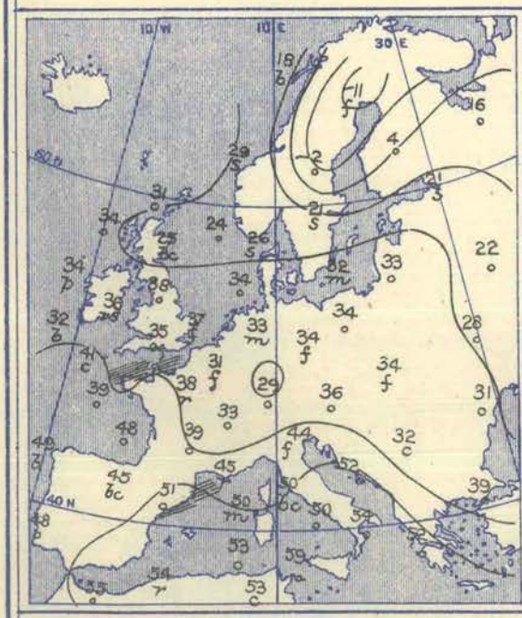
Temperature risen a little in most countries, but fallen in Italy. Morning readings highest, 59° at Algiers, 58° at Oran, 57° at Nemours, and 56° at Malta; above 50° at most of the Mediterranean stations. Lowest, −3° Fahr. at Archangel and Haparanda, +2° at Uleaborg, and 7° at Hernösand; below the freezing point over northern Europe generally, and also over the central parts of Ireland and Scotland. Daily maxima below 40° in many parts of the United Kingdom, but thermometer exceeding 50° over Spain and the south-west of France, and exceeding 55° at many of the Mediterranean stations. Sharp frost occurring at night over the northern and central parts of our Islan

Wind light to moderate from the Northward in Scotland, but from the North-Eastward over the west and south of our Islands and the greater part of France; South-Easterly in the north of Spain; Westerly or North-Westerly in the south of that country. Light from the Eastward (South-East to North-East) in Scandinavia; variable in Germany and Austria. No important change occurring during day.

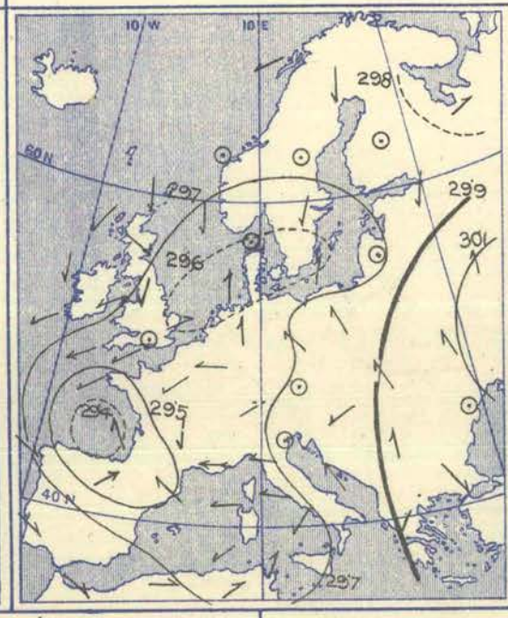
Barometer highest, 30·3 ins. and upwards in a large anticyclone over Russia. Lowest, 29·5 ins. and less in a depression over the north-east of Spain and the south-east of France; 29·7 ins. and less in another disturbance lying off the east of England. Spanish depression subsequently moving northwards over the Bay of Biscay; disturbance off our east coasts moving slowly eastwards and partially filling up.

Monday, 5th February.

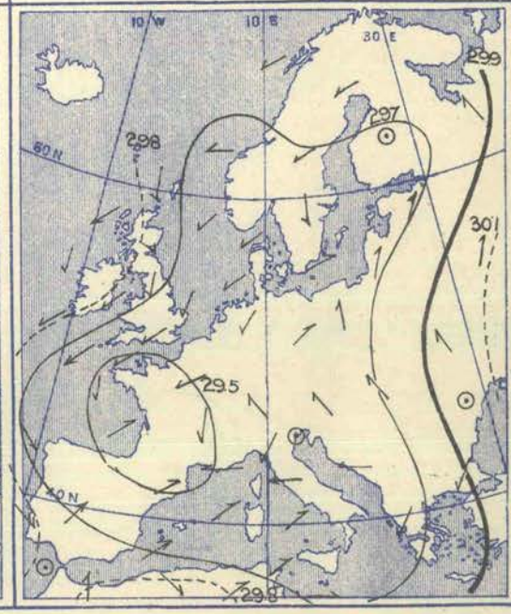
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of Ireland and Scotland, but showers reported at Blacksod Point, and snow at Stornoway. Dull over England and nearly the whole of the Continent, with rain at Paris and in the extreme south of France, as well as in Greece; snow falling over the Gulf of Finland and at many of the Scandinavian stations. Snow or sleet showers falling during day in many parts of Great Britain, and heavy rain in the Channel Islands and the north of France; thunderstorm reported at Biarritz.

Temperature risen in France and Italy and also over Denmark and the Baltic, fallen elsewhere. Morning readings highest, 59° at Palermo, and 55° at Oran, slightly above 50° at several of the Mediterranean and Adriatic stations. Lowest, −11° Fahr. at Haparanda, −2° at Hernösand, and +4° at Kuopio; below the freezing point over northern and eastern Europe generally as well as in Scotland and central Ireland. Daily maxima below 40° in many parts of the United Kingdom, but thermometer exceeding 50° over southern Europe generally, and reaching 68° at Palermo. Frost occurring over the United Kingdom at night.

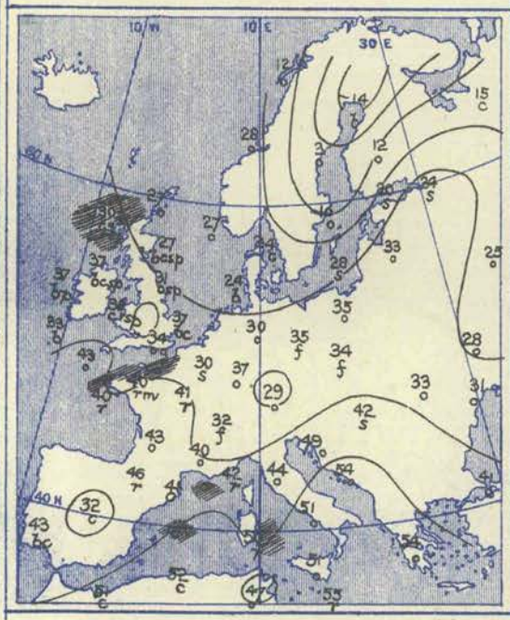
Wind light to moderate from the North-Eastward in the west and south of our Islands and the north of France, and strong to a gale from the same quarter in the Riviera; Westerly or South-Westerly over Spain, Southerly in the west of France. Light from the Northward or North-Westward on our own north and east coasts, but Southerly over Denmark and the Baltic and the central and southern parts of Russia; calm or variable over the northern parts of Russia and Scandinavia; Northerly or North-Easterly in the south of Scandinavia. Easterly or South-Easterly in Italy and Greece. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone over the southern parts of Russia. Lowest, 29·4 ins. and less in a well-marked depression over the Bay of Biscay, 29·6 ins. and less in a large shallow system over Denmark and the southern parts of Sweden and the North Sea; 29·8 ins. and less in a still shallower system over northern Russia. Two former depressions moving eastwards later, and barometer rising in all parts of the United Kingdom.

Tuesday, 6th February.

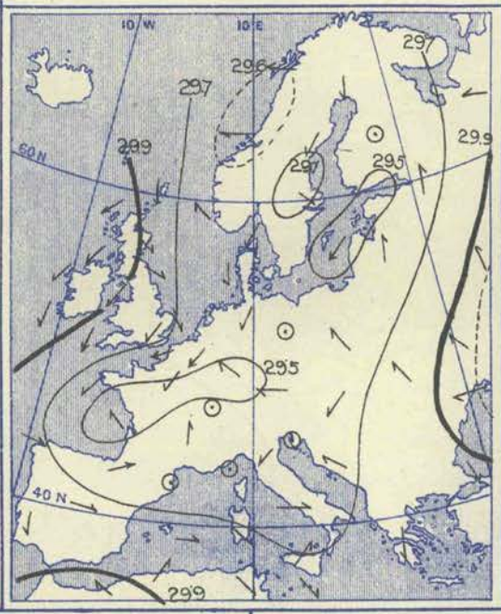
Temperature and Weather.

8 a.m.

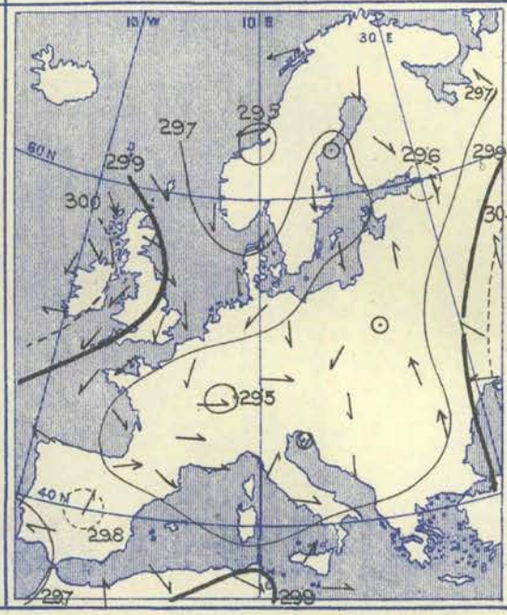


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the southern parts of the United Kingdom, but snow showers reported at several of our northern stations. Dull over the greater part of the Continent, with rain at many of the French and Mediterranean stations, as well as at Jersey and Dungeness; snow reported over the Baltic and Gulf of Finland, as well as at Wiesbaden, Brussels, and Buda-Pesth. Fine over the greater part of the Spanish Peninsula. No important change occurring over western Europe during day, but snow or rain falling over all the central countries.

Temperature fallen over England, changed rather irregularly elsewhere. Morning readings highest, 55° at Malta, and 54° at Patras; slightly above 50° at most of the Mediterranean and Adriatic stations. Lowest, −14° at Haparanda, +1° at Uleaborg, and 3° at Hernösand and Karlstad; below the freezing point over northern Europe generally, and also in many parts of Great Britain and central Ireland. Daily maxima below 40° at all but our southern stations, and below 35° in the north of Scotland. Hard frost occurring over the United Kingdom at night.

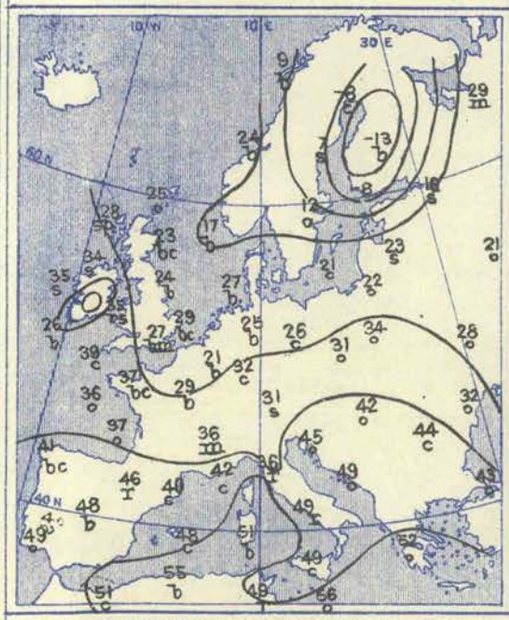
Wind light from the North-Westward on the east coasts of Great Britain, but Northerly or North-Easterly in most other parts of north-western Europe, and fresh in force over the English Channel; Easterly in the west of Norway. Westerly or North-Westerly in Spain; calm in the south of France; rather variable in Italy, but chiefly Westerly or South-Westerly. Variable in Germany and Austria. Easterly to Southerly in Russia. Subsequently backing to the North-Westward in the north of Scotland; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone over the southern parts of Russia; 29·9 ins. and upwards in another system extending from the Atlantic over Ireland and Scotland. Lowest, 29·5 ins. and less in two depressions—one lying over France and western Germany, and the other over the Gulf of Bothnia and the northern part of the Baltic: 29·6 ins. and less in a shallow system over Norway. Depression over France subsequently moving eastwards. Norwegian disturbance becoming somewhat deeper.

Wednesday, 7th February.

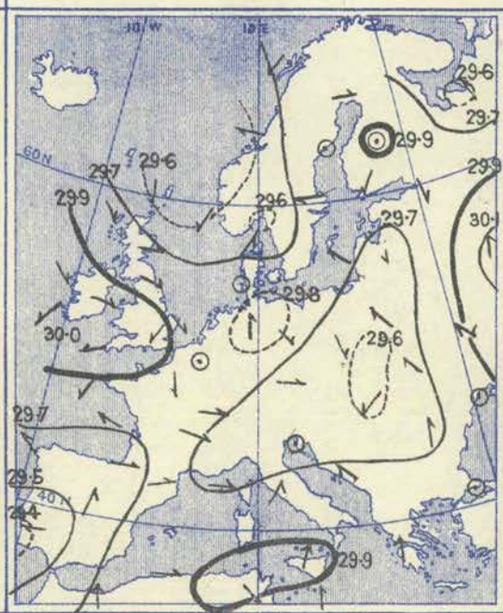
Temperature and Weather.

8 a.m.

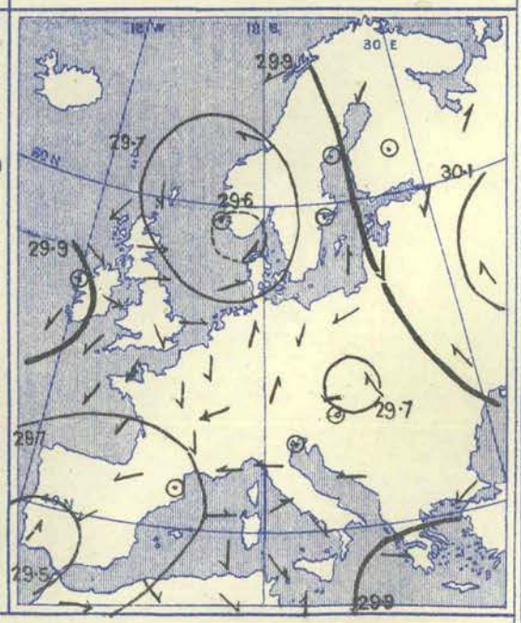


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of the United Kingdom, and also on the eastern and southern shores of the North Sea, but snow reported on several parts of our own north-western and extreme northern coasts. Cloudy or dull over the Continent as a whole, with rain at Biarritz, Florence, and Rome, and also at Cracow; snow falling in several parts of Sweden, Germany, and northern Russia, as well as at Cape Gris Nez. Snow showers falling during day in the north and north-west of our Islands generally, and rain at some of the French stations, as well as in Spain and Italy.

Temperature fallen in most countries—quickly in Finland. Morning readings highest, 58° at Oran, 56° at Malta, and 55° at Algiers; above 50° at several of the Mediterranean stations. Lowest, −14° Fahr. at Uleaborg, −13° at Kuopio, −8° at Hangö; considerably below the freezing point over northern and western Europe generally, the lowest readings in our Islands being 18° at Parsonstown, and 20° at Loughborough. Remaining below 32° all day at some of our own northern and north-eastern stations, and below 40° on all but our south-west coasts. Hard frost occurring over Great Britain at night.

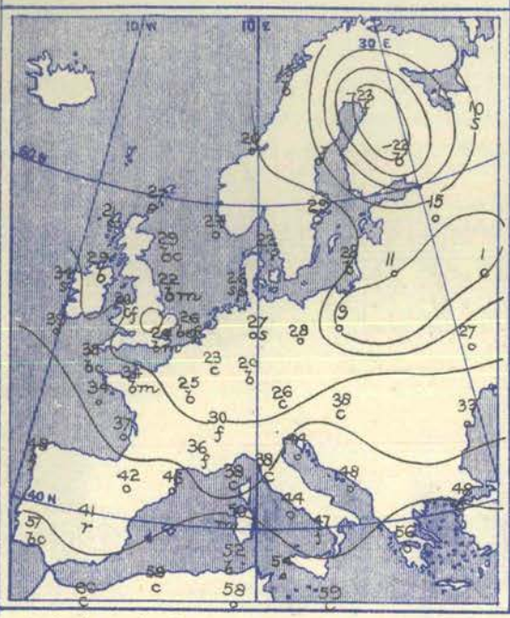
Wind light to moderate from the North-Westward over all the more northern and eastern parts of our Islands, but from the North-Eastward over our southern coasts and the north of France; Easterly or South-Easterly in the north and west of Spain. Light from the Westward over northern Italy and the extreme south of France. Easterly at most of the Scandinavian stations; North-Easterly or Northerly over the Baltic and the Gulf of Finland, Northerly in Germany, Southerly or South-Easterly over western and central Russia. No important change occurring later.

Barometer highest, 30·1 ins. and upwards over central Russia; 29·9 ins. and upwards over Ireland and the greater part of England. Lowest, 29·4 ins. and less in a depression off the south-west of Spain; 29·6 ins. and less in three other systems—one lying between the Shetlands and the west of Norway, another over Poland and eastern Austria, and the other over the White Sea. Depression off Spanish coasts subsequently spreading slowly northwards; Norwegian disturbance partially filling up.

Thursday, 8th February.

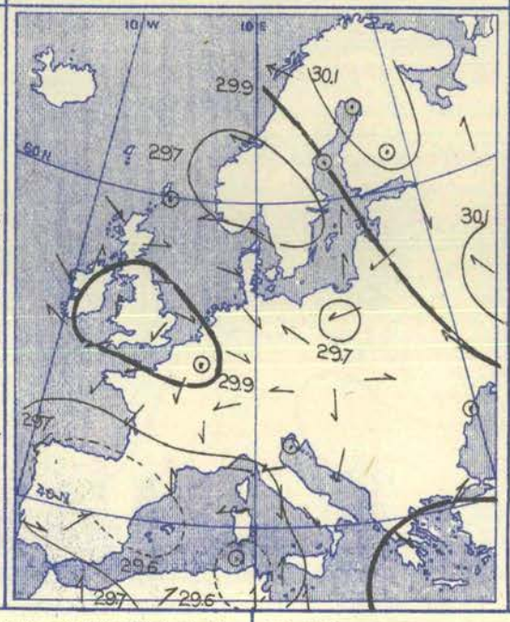
Temperature and Weather.

8 a.m.

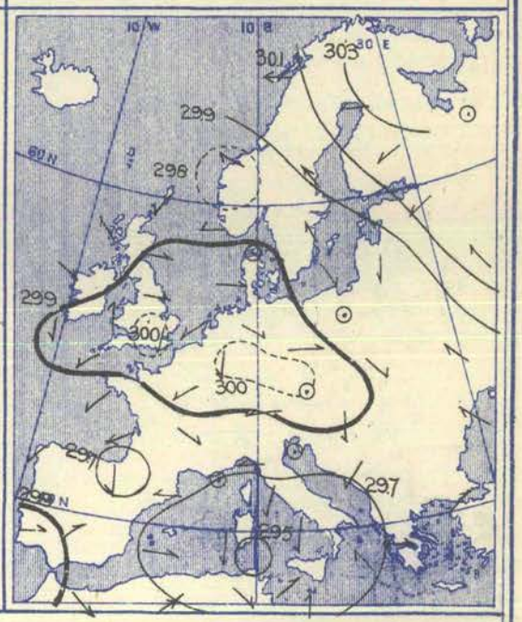


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of our Islands, and also over the Netherlands, western Germany, and the north of France, but dull on our extreme western and northern coasts, with snow at Blacksod Point. Cloudy or dull over the Continent as a whole, with snow in Denmark, north Germany, and the south of Scandinavia, and rain at Madrid and Barcelona. Snow falling later at many of our own western and northern stations—heavily at Valencia (Ireland).

Temperature fallen over England and the neighbouring parts of the Continent, as well as in Russia, but risen elsewhere. Morning readings highest, 60° at Nemours, 59° at Malta, and 58° at Oran, Algiers, and La Calle; above 50° at most of the Mediterranean stations. Lowest, −23° Fahr. at Haparanda, −22° at Kuopio, and −21° at Uleaborg; below 20° in most parts of northern Europe, and also over central England. Daily maxima in these Islands below 40° on all but our south-west coasts, and below the freezing point in the north of Scotland. Hard frost occurring over Great Britain at night; sheltered thermometer at Nairn falling to a minimum of 9°.

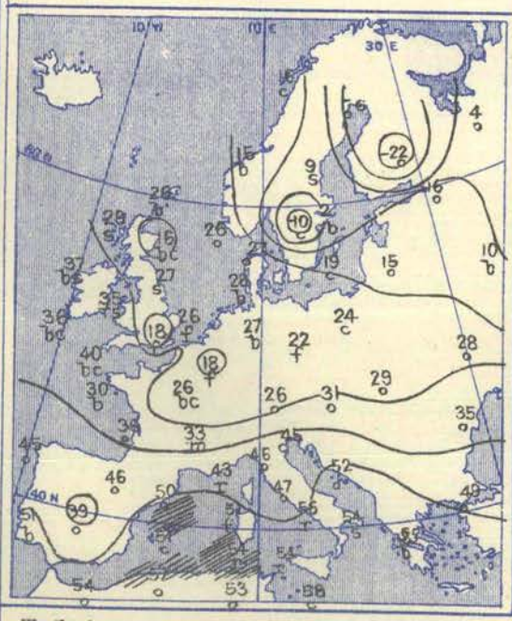
Wind light to moderate from the North-Eastward over the south of England and the greater part of France; from the South-Eastward or Southward in Ireland, and from the Westward or North-Westward on the north and east coasts of Great Britain, as well as in Denmark and the Netherlands. Easterly or South-Easterly in the west of Norway. Light and variable over central and southern Europe generally, but Easterly or South-Easterly in the south of Russia. No important change occurring during day.

Barometer highest, 30·1 ins. and upwards in two anticyclones—one lying over Finland, and the other over central Russia; 29·9 ins. and upwards in another system over England and Ireland. Lowest, 29·6 ins. and less in a depression over the north of Spain, and also in another disturbance lying between the coasts of Sardinia and Tunis; 29·7 ins. and less in a third system over the south of Scandinavia. No important change occurring during day.

Friday, 9th February.

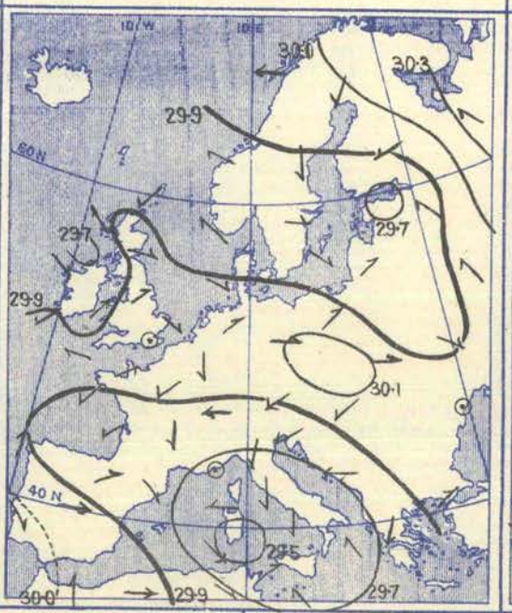
Temperature and Weather.

8 a.m.

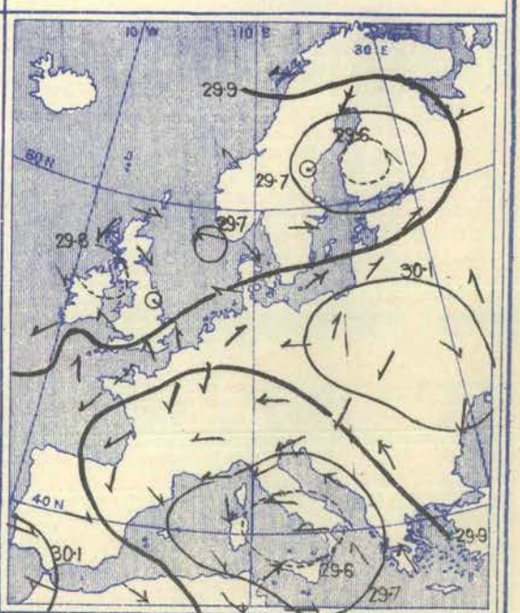


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of England, the Netherlands, and the north of France, but with fog or mist in many places. Fine also in the west of Ireland and the north-east of Scotland, but cloudy or dull in nearly all other parts of Europe; snow falling in several parts of Ireland and the north of England, as well as in Finland and at isolated stations in Scandinavia; rainy at several of the Mediterranean stations. Snow falling later in the west and north of our Islands generally, and rain in Italy and the south of France.

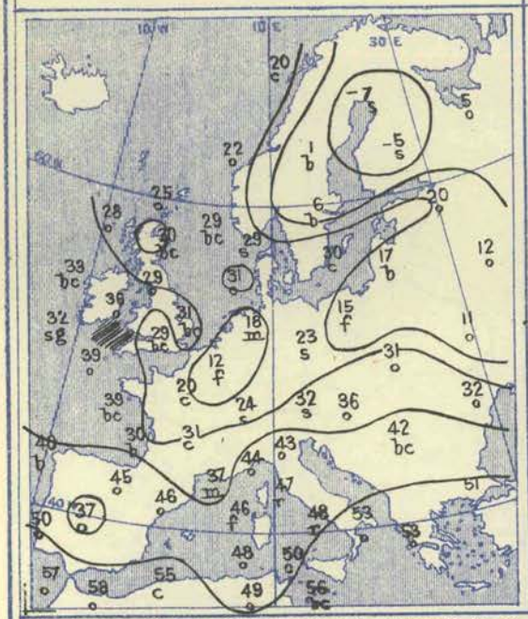
Temperature changed very irregularly. Morning readings highest, 58° at Malta, 57° at Algiers, and 55° at Patras; above 50° at most of the Mediterranean stations. Lowest, −22° Fahr. at Kuopio, −16° at Haparanda, and −10° at Karlstad; below 20° over northern Europe generally, and also over Scotland and the central parts of England. Daily maxima below 40° in nearly all parts of Great Britain, and below the freezing point in the north of Scotland; thermometer at Wick not exceeding 22°. Hard frost occurring over Great Britain at night.

Wind light to moderate from the Eastward or North-Eastward over the English Channel, France, western Germany, and northern Italy. Westerly or North-Westerly over Spain and the western parts of the Mediterranean. Northerly in the west and south of Ireland, but Southerly or South-Westerly over Wales and the north of England; variable in Scotland. Easterly or South-Easterly in the west of Norway; Westerly or South-Westerly over Denmark and the Baltic; variable in the south of Russia. Subsequently shifting to the South-Eastward in the south of England, no important change occurring elsewhere.

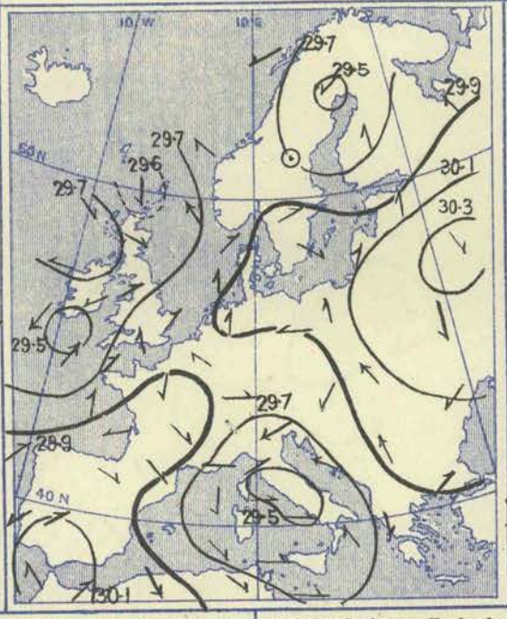
Barometer highest, 30·3 ins. and upwards in an anticyclone over northern Russia; 30·1 ins. and upwards in another system over eastern Germany. Lowest, 29·5 ins. and less in a depression over Sardinia; 29·7 ins. and less in two other disturbances—one lying off the north of Ireland, and the other over the Gulf of Finland. Irish depression subsequently advancing slowly eastwards, and barometer falling over the United Kingdom generally; disturbance over Finland moving northwards.

Saturday, 10th February.

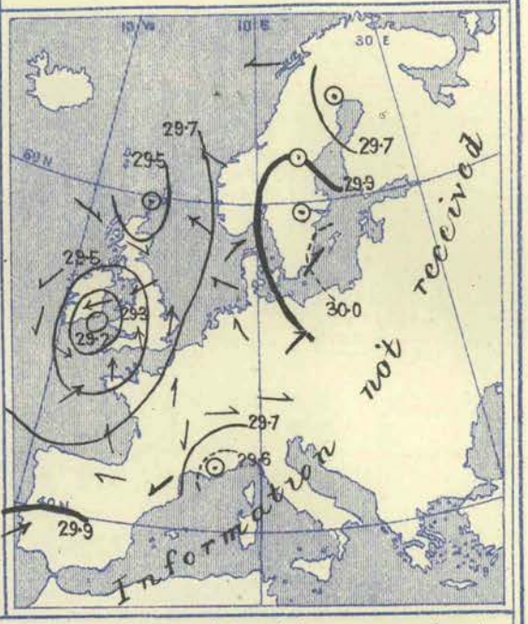
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the south-east of England, the Netherlands, and the north of France, as well as in the north-east of Scotland and at many of the Scandinavian stations. Cloudy or dull elsewhere, with rain or snow on some parts of our own south-west coasts; rain falling also at Rome, Naples, and Lesina, and snow in several parts of Finland, Denmark, Germany, and Austria. Snow falling later over nearly the whole of our Islands—heavily in places, and rain over the northern parts of France. Lunar halos seen at Aberdeen and Donaghadee.

Temperature risen over Great Britain and the northern and central parts of the Continent; fallen elsewhere. Morning readings highest, 58° at Oran, 57° at Nemours, and 56° at Malta; above 50° at several of the Mediterranean and Adriatic stations. Lowest, −7° Fahr. at Uleaborg, −5° at Kuopio, and +1° at Hernösand and Karlstad; lowest in our Islands, 20° at Wick and Aberdeen. Daily maxima below 40° on all but our south-west coasts, and below 35° at several of our northern and eastern stations. Hard frost occurring in Scotland at night; thermometer falling to 8° at Wick and Nairn.

Wind Southerly over England and the north of France, and strong in force on our south-west coasts; Northerly or North-Easterly in Ireland, and strong in the south. Light from the North-Westward in Scotland; South-Easterly or Easterly in the west of Norway. Southerly or South-Westerly over Finland, Denmark, and the Baltic; Easterly in Germany Austria, and northern Italy; Westerly over southern Italy; North-Westerly in the south of France; variable over the Spanish Peninsula. Subsequently increasing to a gale from between South and West over the southern parts of England.

Barometer highest, 30·3 ins. and upwards over central Russia; 30·1 ins. and upwards in another system over the central and southern parts of Spain Lowest, 29·5 ins. and less in three depressions—one lying over our own south-west coasts, another over central Italy, and the third at the head of the Gulf of Bothnia; 29·6 ins. and less in a shallow disturbance off the north-east of Scotland. Depression over the south-west of our Islands subsequently growing deeper and advancing north-eastwards across England.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of the week when barometrical pressure was highest over Russia, the weather in the western countries was affected by a depression lying over the Bay of Biscay, and by a secondary system over the North Sea. On the 5th both disturbances moved slowly eastward and dispersed, the former occasioning considerable falls of rain over France and Italy, while in the rear of the latter, showers of snow or sleet fell in the northern parts of our Islands. As the disturbances moved away an anticyclone of moderate height spread over the United Kingdom from the westward, and for a time the weather over Western Europe became fine and dry, with hard frosts in most districts. After the 8th, however, the anticyclone moved away to the Eastward, and the distribution of pressure, not only in these Islands, but over Europe generally became exceedingly complex, several areas of high and low pressure being observed at the same time. The winds consequently varied greatly in direction and the weather was generally unsettled, with snow or rain in nearly all districts. On the 10th, when a well defined and rather deep depression advanced to our south-west coasts, and moved north-eastwards across England, heavy snowstorms were experienced over nearly the whole of that country and Ireland, with slight gales from the Northward on our western coasts, and from the Southward in the south and south-east.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 32.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	23·5	?	41	?	BRIGHTON	22·5	+ 7·0	34	+10
STRATHPEFFER SPA	25·0	+13·0	42	+22	WORTHING	26·5	?	40	?
EDINBURGH	14·5	+ 4·0	24	+ 5	BOGNOR	25·8*	?	39*	?
MORPETH	23·5	?	37	?	WATERGATE (Emsworth)	28·6	?	43	?
NEWCASTLE-ON-TYNE	12·8	?	20	?	WESTBOURNE (Emsworth)	23·7	+ 7·7	36	+10
OSWALDKIRK (Yorkshire	17·1	+ 4·3	27	+ 7	VENTNOR HOSPITAL	23·4	?	35	?
YORK	14·0	+ 2·7	22	+ 4	SOUTHPORT	16·4	?	26	?
LOWESTOFT	27·7	?	43	?	RHYL	18·6*	?	29*	?
HOLLESLEY BAY	31·6	?	49	?	COLWYN BAY	16·4	?	26	?
SHEFFIELD	15·8	?	25	?	ABERDOVEY	36·7*	?	57*	?
WORKSOP	18·3	+ 6·0	29	+10	TENBY	37·8	+20·0	58	+30
THURCASTON (Leicestershire)	25·8	+13·5	40	+21	NEWQUAY	34·7	+17·9	53	+28
MARGATE	24·2	+ 9·5	37	+15	TORQUAY	31·8	+16·0	48	+24
EASTBOURNE					GUERNSEY	11·6*	− 6·4	17*	−10

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No 7.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 17TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 38)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	45	1	37·8	23·9	30·9	7 below	0	− 7	78	+42	19	−26	342	+51
	1. SCOTLAND, EAST	48	− 3	38·7	23 0	30·9	7 below	0	− 9	78	+36	24	−30	357	+49
	2. ENGLAND, N.E.	44	16	38·6	27·5	33·1	6 below	0	− 9	62	+27	32	−16	284	+ 7
	3. ENGLAND, EAST	47	12	39·7	26·9	33·3	5 below	0	−12	61	+21	36	−20	291	−27
	4. MIDLAND COUNTIES	49	10	39·8	27·5	33·7	5 below	0	−12	58	+19	41	−25	308	− 8
	5. ENGLAND, SOUTH	52	20	43·1	31·7	37·4	3 below	3	−11	37	+ 6	71	− 4	233*	−23
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	47	10	39·4	28·6	34·3	6 below	0	−10	54	+25	41	−26	269	+49
	7. ENGLAND, N.W.	51	11	39·9	29·3	34 6	5 below	0	−10	52	+23	39	−18	250	+19
	8. ENGLAND, S.W.	53	15	45·2	31·3	38·3	4 below	9	− 8	40	+16	97	− 5	181	− 6
	9. IRELAND, NORTH	48	16	41·2	28·3	34·8	6 below	0	−14	50	+25	58	−31	230	+38
	10. IRELAND, SOUTH	51	10	42·6	26·8	34·7	8 below	2	−19	54	+36	100	−34	221	+71
	—CHANNEL ISLANDS	54	31	48·2	37·7	43·0	2 below	25	+ 3	12	+ 1	187	+40	51	−35

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 38.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	13	1 more	40	+ 4	9·2	+ 0·7	16	+ 4	25	+ 6	71	+21	19	+ 6
	1. SCOTLAND, EAST	3	8	2 more	32	+ 5	5·0	+ 0·5	21	+ 5	32	+ 7	91	+18	24	+ 5
	2. ENGLAND, N.E.	4	7	3 more	31	+ 5	4·1	+ 1·0	17	− 1	25	− 2	84*	+ 6	20	+ 2
	3. ENGLAND, EAST	5	14	10 more	32	+ 5	5·1	+ 1·9	16	− 2	24	− 3	92	0	21	0
	4. MIDLAND COUNTIES	4	15	10 more	30	+ 4	5·6	+ 1·9	20	+ 5	30	+ 8	83	+10	22	+ 2
	5. ENGLAND, SOUTH	5	20	15 more	31	+ 5	6·5	+ 2.3	21	+ 2	30	+ 3	98	+ 4	22	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	19	7 more	36	+ 4	9·6	+ 0·4	21	+ 7	32	+11	94	+26	24	+ 7
	7. ENGLAND, N.W.	5	12	5 more	33	+ 4	6·5	+ 1·8	25	+ 8	38	+12	90	+12	21	+ 3
	8. ENGLAND, S.W.	6	27	19 more	36	+ 6	9·0	+ 2·7	23	+ 4	34	+ 7	123	+25	29	+ 5
	9. IRELAND, NORTH	5	12	6 more	39	+ 6	5·8	+ 0·7	23	+ 8	35	+12	135	+55	34	+13
	10. IRELAND, SOUTH	5	14	6 more	37	+ 6	6·9	+ 0·6	24	+ 7	36	+11	132	+36	32	+ 9
	— CHANNEL ISLANDS	6	25	19 more	40	+ 7	9·1*	+ 3·8	23	+ 1	32	+ 1	111	−13	23	− 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was very unsettled and wintry. Large quantities of snow, sleet or rain were experienced in almost all parts of the Kingdom, occasionally alternating with fine, bright weather.

Temperature was again below the mean, the deficit ranging from 2° in the Channel Islands, and 3° in England S., to 6° in England N.E., Scotland W., and Ireland N., 7° in Scotland N. and E., and 8° in Ireland S. The highest of the maxima occurred towards the end of the week, and ranged from 54° in the Channel Islands, and 53° in England S.W., to 44° in England N.E. The maxima during the earlier days of the week were below 32° at some of the northern stations. The lowest of the minima, which were registered on the 11th or 12th in Ireland and Scotland, and about the middle of the week over England, ranged from −3° in Scotland E. (at Braemar), +1° in Scotland N., and 10° over Scotland W., the Midland Countries and Ireland S., to 20° in England S., and to 31° in the Channel Islands.

Rainfall was more than the mean, the excess in most parts of the Kingdom being very large. The snow appears to have been unusually heavy in some of the northern districts; at Newton Reigny its depth amounted to 13 inches, and at Keswick to as much as 3 feet.

Bright Sunshine exceeded the mean in all districts, except England N.E. and E. The percentage of the possible duration ranged from 38 in England N.W., and 36 in Ireland S., to 25 in Scotland N. and England N.E., and 24 in England E.

Barometer and Wind.—During the earlier part of the period the distribution of pressure over our Islands was rather irregular, several depressions and small anticyclonic areas being observed almost simultaneously in different parts of our area. The wind varied considerably in direction and was mainly of only moderate strength. During Tuesday night, however, when a rather deep disturbance moved eastwards over the north of France, strong Northerly winds and gales were felt at the Channel stations. Early on Thursday morning a deep depression was approaching Ireland from the Atlantic. This system subsequently moved north-north-eastwards and caused strong winds or gales in all parts of the Kingdom, much snow in the north, and heavy rain or sleet and a decided rise of temperature in the south. After that date the temperature over our Islands became higher generally than in the earlier part of the week.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 37 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head												*	*	*	*
	Stornoway	45	20	40·9	27·4	34·2	- 4·8	0	55	5	3·11	+ 2·14	20·0	+ 5·0	31	+ 8
	Wick	45	8	38·7	25·7	32·2	- 5·8	0	69	3	1·05	+ 0·50	*	*	*	*
	Lairg Ş	39	1	35·4	16·9	26·2	-10·4	0	111	3	0·13	- 0·63	*	*	*	*
	Glencarron Ş	41	11	36·2	23·5	29·9	- 7·1	0	85	5	0·84	- 0·91	*	*	*	*
	Fort Augustus Ş	44	5	38·4	23·3	30·9	- 7·6	0	78	6	0·67	- 0·31	15·3	+ 6·3	24	+10
	Fort William Ş	42	10	37·2	26·4	31·8	- 7·2	0	71	6	1·84	- 0·10	7·1	- 5·9	11	- 9
1. SCOTLAND E.	Nairn	46	8	40·3	20·3	30·3	- 7·7	0	82	1	0·14	- 0·28	*	*	*	*
	Aberdeen	45	17	38·7	25·0	31·9	- 6·1	0	71	4	0·87	+ 0·29	21·8	+ 3·9	34	+ 7
	Braemar Ş	30	- 3	34·2	17·7	26·0	- 8·8	0	112	1	1·50	+ 0·79	19·8†	+ 3·5†	31†	+ 4†
	Ochtertyre Ş	48	15	39·4	25·6	32·5	- 4·6	0	67	4	1·46	+ 0·56	*	*	*	*
	Leith	45	14	41·0	24·6	32·8	- 7·0	0	64	2	0·43	+ 0·05	*	*	*	*
	Marchmont Ş	42	13	38·6	24·6	31·6	- 5·6	0	73	3	0·65	+ 0·05	16·3	+ 0·2	25	0
2. ENGLAND, N.E.	Alnwick Castle	42	16	38·4	26·0	32·2	- 6·1	0	69	3	0·49	- 0·04	*	*	*	*
	Durham	43	16	37·0	25·1	31·1	- 6·9	0	76	5	0·30	- 0·10	11·9	+ 4·1	30	+ 5
	Shields	43	21	38·9	27·0	33·0	- 6·1	0	63	5	1·24	+ 0·88	*	*	*	*
	Scarborough M	44	19	38·1	29·2	33·7	- 5·7	0	58	3	0·61	+ 0·19	?	?	?	?
	Spurn Head	44	25	40·7	30·3	35·5	- 3·5	0	46	4	0·65	+ 0·34	?	*	*	*
3. ENGLAND, E.	Hillington M	46	12	38·5	25·2	31·9	- 6·5	0	71	4	0·95	+ 0·50	14·2	- 2·8	21	- 4
	Yarmouth	46	23	39·1	29·1	34·1	- 4·1	0	55	6	1·35	+ 0·93	*	*	*	*
	Geldeston	47	16	40·1	25·6	32·9	- 6·1	0	64	6	1·00	+ 0·62	13·6	- 3·9	20	- 6
	Cambridge	47	17	40·6	26·5	33·6	- 5·4	0	59	3	1·18	+ 0·83	16·9	0·0	25	0
	Felixstowe	47	23	40·6	31·8	36·2	- 2·8	0	41	6	1·80	?	18·8†	?	28†	?
	Rothamsted	45	13	39·2	22·9	31·1	- 7·2	0	76	5	2·17	+ 1·67	15·2	- 0·8	22	- 2
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	46	17	29·4	26·9	33·2	- 5·8	0	62	4	1·16	+ 0·78	*	*	*	*
	Loughborough	47	10	40·6	33·0	36·8	- 2·4	0	36	3	0·97	+ 0·55	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle M	44	13	37·1	25·0	31·1	- 6·7	0	76	5	0·94	+ 0·35	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	47	19	39·4	28·5	34·0	- 4·4	0	56	4	1·15	+ 0·75	19·4	?	29	?
	Churchstoke M	47	19	40·8	27·8	34·3	- 4·4	0	54	5	1·75	+ 1·15	27·7	+11·7	41	+18
	Hereford (Belmont) M	49	20	40·5	27·5	34·0	- 5·8	0	56	4	2·17	+ 1·68	*	*	*	*
	Cirencester	48	14	40·0	24·0	32·0	- 6·4	0	70	5	2·31	+ 1·72	22·3	+ 4·7	33	+ 7
	Oxford	47	21	40·9	27·4	34·2	- 5·7	0	55	4	1·54	+ 1·10	19·1	+ 3·1	28	+ 5
5. ENGLAND, S.	London	49	20	42·9	28·0	35·5	- 4·5	3	50	5	1·54	+ 1·14	13·0†	+ 4·0†	19†	+ 5†
	Cranley M												*	*	*	*
	Dungeness	48	28	43·4	32.0	37·7	- 2·2	4	36	4	1·74	+ 1·29	*	*	*	*
	Hastings (St. Leonards)	48	29	42·8	32·6	37·7	- 2·3	2	33	5	2·55	+ 2·03	18·6	- 1·4	27	- 2
	Southampton	52	26	44·7	32·1	38·4	- 2·6	8	37	5	2·27	+ 1·67	24·0	+ 5·7	35	+ 8
	Portland Bill	48	30	44·0	34·6	39·3	- 2·2	6	27	6	1·89	?	*	*	*	*
	Shaftesbury M	49	27	41·0	30·8	35·9	- 2·9	0	43	4	72·20	+ 1·55	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	43	10	38·8	27·6	33·2	- 6·8	0	62	7	2·12	+ 0·42	*	*	*	*
	Glasgow	43	15	38·0	27·5	32·8	- 6.2	0	64	3	0·88	+ 0·05	12·4	+ 2·0	19	+ 3
	Glenlee Ş	44	?	37·9	?	?	?	?	?	4	3·05	+ 1·85	*	*	*	*
	Douglas (Isle of Man)	47	22	42·8	30·7	36·8	- 4 0	2	40	4	1·35	+ 0·53	29 6	+12·6	44	+19
7. ENGLAND, N.W.	Newton Reigny	42	16	37·4	26·7	32·1	- 6·4	0	69	3	1·95	?	21·9	?	33	?
	Stonyhurst	43	23	37·8	28·6	33·2	- 5·6	0	62	5	1·44	+ 0·58	16·7	+ 3·3	25	+ 4
	Blackpool M	46	20	41·0	28·3	34·7	- 4·5	0	51	7	1·08	+ 0·53	24·7	+10·2	37	+15
	Manchester (Prestwich)	45	11	38·8	25·0	31·9	- 6·9	0	71	5	0·56	+ 0·01	11·9	?	18	?
	Liverpool Obsy. (Bidston)	46	24	38·7	29·3	34·0	- 6·2	0	56	5	0·76	+ 0·35				
	Llandudno M	51	27	43·1	33·6	38·4	- 3·4	3	31	5	1·32	+ 0·82	28·1	+11·8	42	+17
	Holyhead	48	31	42·3	33·7	38·0	- 4·0	1	29	5	1·15	+ 0·55	*	*	*	*
8. ENGLAND, S.W.	Llandovery	52	15	44·1	25·1	34·6	- 4·4	6	61	5	2·28	+ 1·30	*	*	*	*
	Pembroke	51	31	46·6	35·4	41·0	- 1·3	13	26	6	2·17	+ 1·53	25·0	+ 6·0	37	+ 9
	Clifton												*	*	*	*
	Arlington (N. Devon)	50	23	41·7	29·6	35·7	- 5·1	0	44	6	3·65	+ 2·67	*	*	*	*
	Cullompton M	52	20	45·3	30·4	37·9	- 3·1	9	43	6	2·46	+ 1·74	21·5	+ 4·7	31	+ 6
	Falmouth	53	32	46·3	35·9	41·1	- 2·7	12	24	6	3·49	+ 2·52	24·6	+ 4·9	36	+ 8
	Plymouth	53	28	47·1	31·4	39·3	- 3·3	14	41	5	2·39	+ 1·69	21·8	+ 2·1	32	+ 4
9. IRELAND, N.	Malin Head	44	28	39·7	31·9	35·8	- 6·2	0	43	6	0·89	?	*	*	*	*
	Londonderry	46	20	41·8	27·8	34·8	- 6·2	0	50	6	1·19	+ 0·49	*	*	*	*
	Edenfel (Omagh)	44	16	38·4	25·1	31·8	- 7·2	0	71	5	1·18	+ 0·57	*	*	*	*
	Blacksod Point	47	25	43·7	31·9	37·8	- 5·2	5	37	7	1·71	?	*	*	*	
	Markree Castle	48	19	40·7	26·3	33·5	- 6·7	0	60	6	1·45	+ 0·78	18·8	+ 3·6	28	+ 5
	Armagh	46	20	41·4	28·1	34·8	- 5·2	0	50	4	0·84	+ 0·28	27·9	+13·1	42	+20
	Donaghadee	46	22	42·6	27·3	35·0	- 5·9	2	52	4	0·94	+ 0·36	*	*	*	*
10. IRELAND, S.	Dublin	49	22	42·0	29·6	35·8	- 6·4	0	43	5	0·88	+ 0·38	28·5	+11·1	43	+18
	Parsonstown	47	14	41·4	21 9	31·7	- 9·3	0	72	4	0·98	+ 0·43	24·2	+ 8·1	36	+11
	Kilkenny	50	10	41·6	19·7	30·7	-11·1	0	79	3	0·84	+ 0 19	*	*	*	*
	Roche's Point	50	25	44·3	30·7	37·5	- 6·3	6	41	4	1·36	+ 0·31	*	*	*	*
	Valencia	51	26	45·7	32.1	38·9	- 6·1	10	37	7	2.01	+ 0·78	18·8	+ 1·3	28	+ 2
	Killarney	48	12	42·5	25·0	33·8	- 9·8	1	60	5	2·11	?	*	*	*	*
	Foynes	46	20	41·0	28·3	34·7	- 7·2	0	51	4	1·36	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	54	31	49·6	38·0	43·8	- 2·0	29	11	6	2·99	+ 2·32	21·3	?	31	?
	Jersey	51	32	46·7	37·4	42·1	- 0.9	20	13	6	2·00	+ 1·40	24·0	+ 1·9	34	+ 1

Stations marked M are in connection with the Royal Meteorological Society, and those marked Ş with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

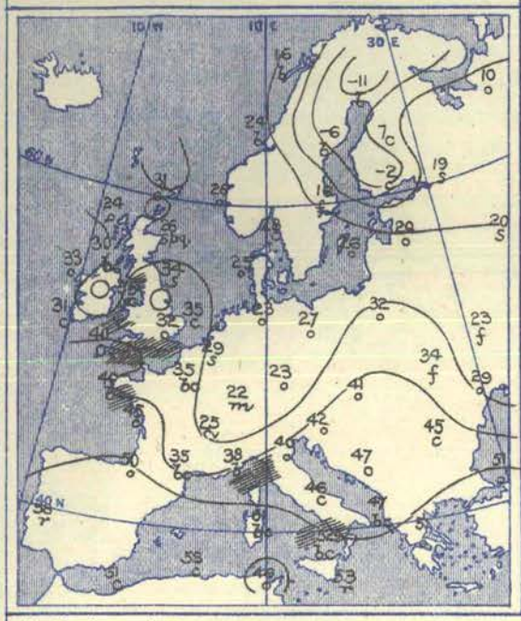
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 11th February.

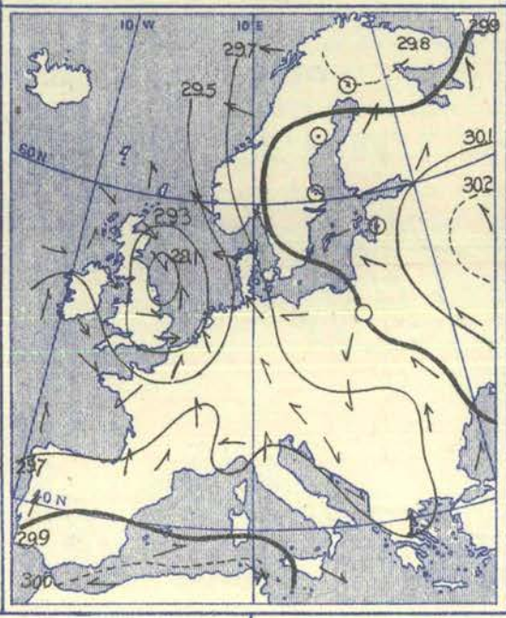
Temperature and Weather.

8 a.m.

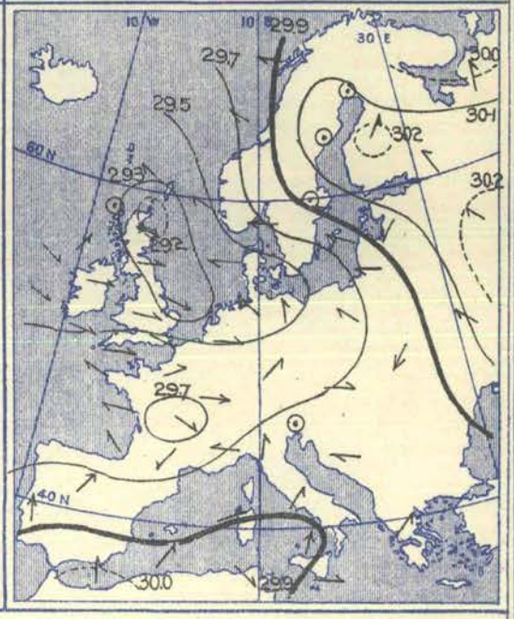


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over our Islands generally after much snow over our southern counties and the west and north of France, but slight snow showers still reported at some of our western stations, and in the Netherlands. Considerable rain later in the south-west of France, snow in Denmark and Stockholm; appearance unsettled on the south-west coasts of the British Islands at night.

Temperature risen over the north-east of France and over Holland, as well as over the southern part of Sweden; fallen at our western stations. Morning readings highest, 58° at Algiers and Lisbon, 51° at Brindisi, Cagliari and Barcelona, 45° at Rochefort, 43° at Brest, 40° at Scilly, 35° at Portland Bill and Holyhead. Lowest, – 11° Fahr. at Haparanda, – 2° at Helsingfors, (2) + 12° at Kharkov, 16° at Riga; (3) 11° at Wick, 26° at Aberdeen, 29° at Loughborough, 32° in London. Rising temporarily later to 40° and more in many parts of our Islands to between 50° and 60° in Italy, to 73° on the Algerian coast.

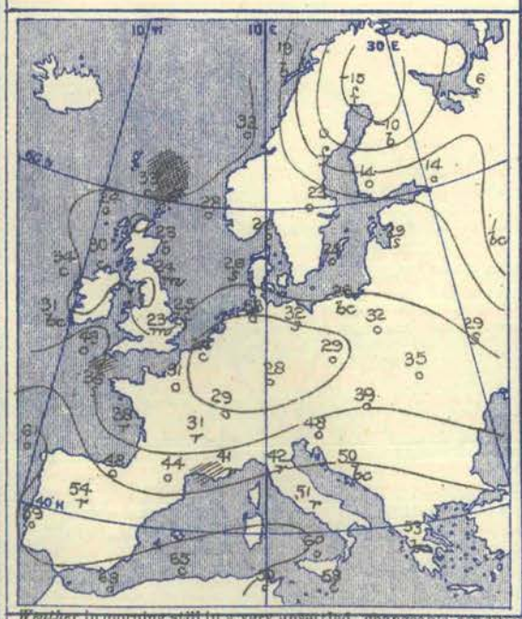
Wind light and anticyclonic over Russia; South-Easterly over the Baltic and North Sea (very strong in places), North-Westerly in the west and north of our Islands, Westerly in the south-east of England and on the southern shores of the English Channel (a North-West gale at Portland Bill). Becoming more generally Westerly over our Islands later (a gale at Aberdeen) and increasing from East and South-East on the eastern shores of the North Sea.

Barometer highest, (1) 30·25 ins. and more over central Russia and exceeding 30·0 ins. over the south of Sweden, (2) 30·0 ins. and more over Algeria and Tunis and exceeding 29·6 ins. all over the Spanish Peninsula. Lowest, 29·1 ins. and less in a depression off the Yorkshire coast, and slight local disturbances showed over Switzerland and Austria. Rising over our Islands later (but not permanently), low at Point Delgada.

Monday, 12th February.

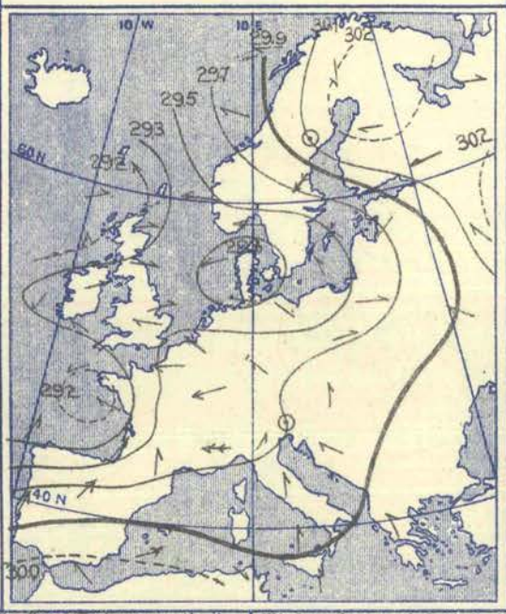
Temperature and Weather.

8 a.m.

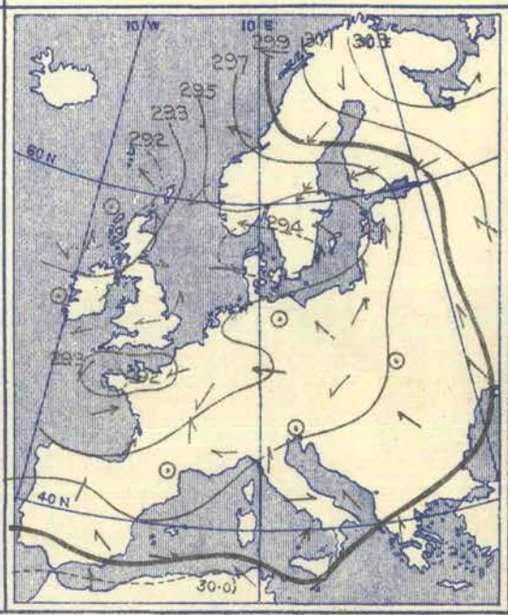


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still in a very unsettled, changeable condition; fine in extreme north of Europe and over central Russia and the Netherlands and the greater part of the British Islands; foggy over England; rain and snow again falling over the Bay of Biscay. Considerable rain later in many parts of France and some at our south-western and extreme western stations.

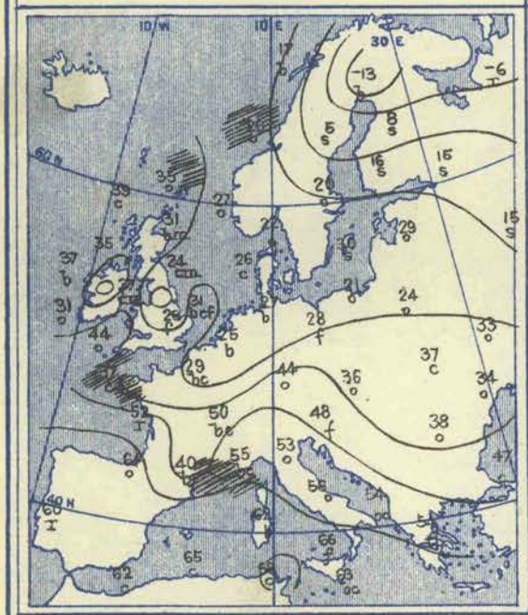
Temperature in morning highest, (1) 63° at Nemours, 65° at Algiers, 60° at Palermo, 58° at Cagliari; (2) 48° at Biarritz and Sicié; (3) 43° at Scilly. Lowest, (1) – 15° Fahr. at Haparanda, – 10° at Kuopio, 0° (zero Fahr.) at Hernösand, 1° at Moscow; (2) 29° at Munich, 19° at Wiesbaden, 31° at Paris; (3) 19° at Nairn, 14° at Loughborough, 23° in London. Rising later to 40° and more at several of our southern stations, to 46° at Scilly, 55° at Lyons, 68° at Biarritz, 70° at Palermo, 84° at Algiers.

Wind varying greatly both in direction and force, (1) Westerly to Southerly over the south of Europe; Easterly in the north, and blowing hard over the southern parts of Scandinavia. Three cyclonic circulations recorded—one round Denmark and Holstein, another round a central area off our own north-western coasts, and a third round a depression over the Bay of Biscay, causing South-Westerly gale in the north of Spain, but an Easterly breeze over the north of France and the English Channel. The south-western depression moving to France later.

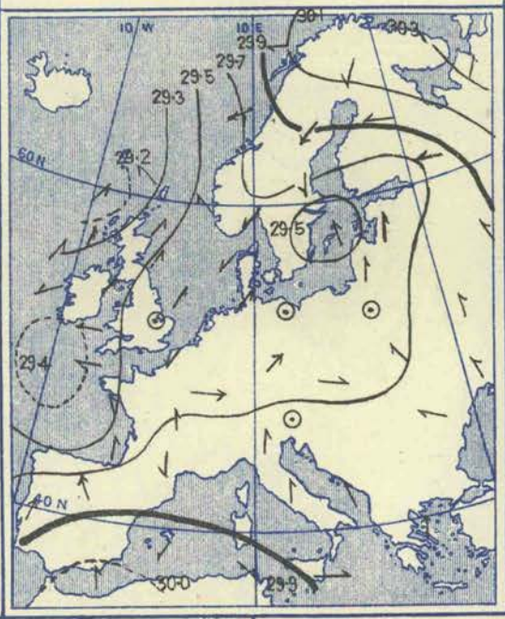
Barometer in morning highest, (1) 30·2 ins. and more over Finland and central Russia, and exceeding 29·6 ins. over northern and eastern Europe as a whole; (2) 30·0 ins. and more over Algeria and exceeding 29·6 ins. over the southern half of Spain. Lowest, 29·3 ins. and less in a depression over Holstein and Denmark; (2) 29·2 ins. and less over the west and north of Scotland; and 29·2 ins. and less in a third over the Bay of Biscay. The south-western depression undergoing some modification and moving to France later

Tuesday, 13th February.

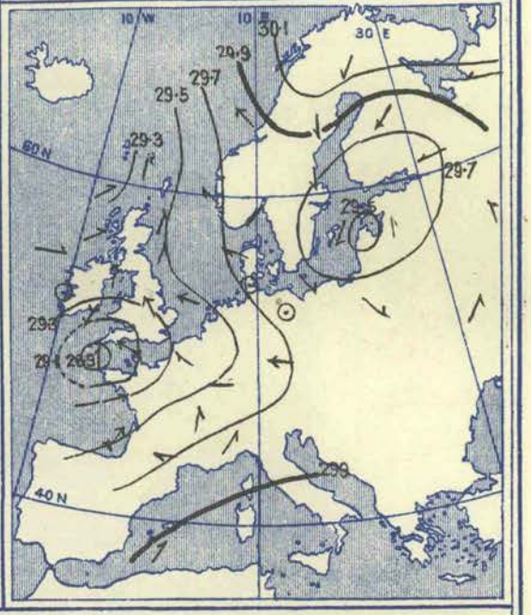
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still in a very changeable, unsettled condition over western Europe; fine over the north of Scandinavia, the north of Spain, and also in the west and north of our Islands, temporarily fine (but foggy) over England, the Netherlands and north-east of France, fair over the Mediterranean. Much rain and snow later over the southern half of England and a considerable amount over the Netherlands—very little in Scotland or Scandinavia, but some over the Baltic and Germany.

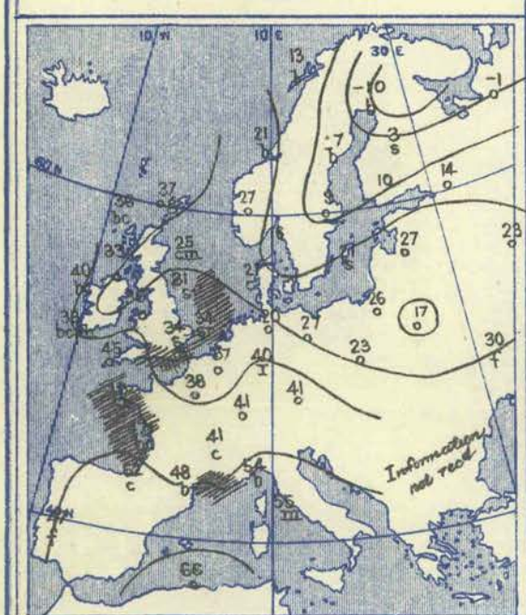
Temperature still changing frequently over western Europe. Morning readings highest, (1) 68° at La Calle, 66° at Palermo, 65° at Algiers, 64° at Barcelona; (2) 64° at Biarritz, 52° at Ile d'Aix, 44° at Scilly, 41° at Vienna. Lowest, – 13° Fahr. at Haparanda, – 6° at Archangel, + 15° at Moscow, 24° at Warsaw; (2) 14° at Loughborough, 21° at Oxford, 18° at Parsonstown. Exceeding 40° later at several of our northern, western and southern stations, touching 59° at Rochefort, 61° at Lyons, 72° at Biarritz.

Wind mainly Easterly, and rather strong, over northern Europe, Southerly in the far south, variable elsewhere. South-Westerly over the north of our Islands, South-Easterly to Easterly in the south and over the English Channel; North-Easterly at Valencia. Blowing hard later from between South-East and North-East over the southern parts of our Islands and the Channel, but from between South and West over the greater part of France.

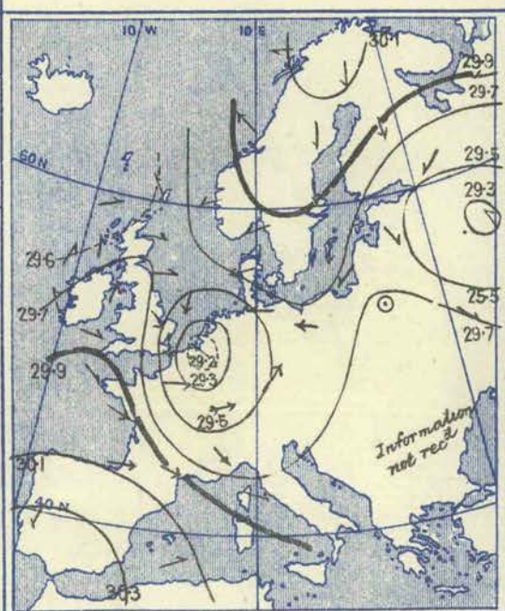
Barometer highest, (1) 30·3 ins. and more in the extreme north of Europe, and exceeding 29·6 ins. almost all over Scandinavia and Finland; (2) 30·1 ins. and more at Oran and Nemours, and exceeding 29·6 ins. over the whole of Mediterranean and the Spanish Peninsula. Lowest, 29·2 ins. and less off our extreme north-west coasts, 29·4 ins. and less in a depression over the Bay of Biscay, and below 29·5 ins. over the Baltic and south-east of Sweden. Deep depression approaching Brest later where barometer fell much below 29·0 ins.

Wednesday, 14th February.

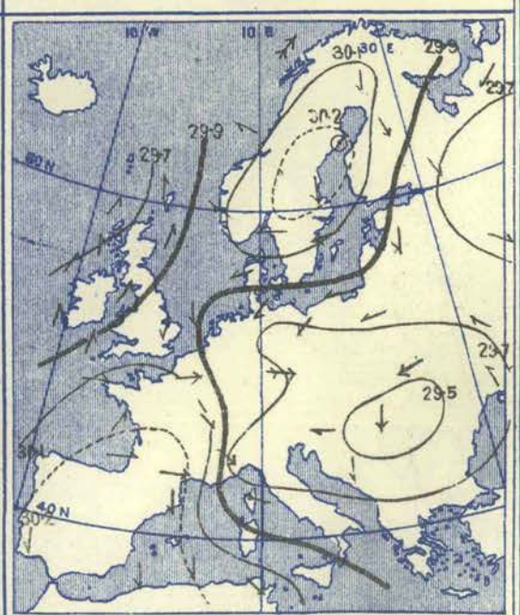
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still in a very changeable condition over western Europe in particular Fine and bright over Scandinavia, Scotland, Ireland and Spain. Very dull and unsettled over the east of England, the north-east of France, western Germany and the Netherlands, with rain and snow in many places. Snow over central Russia and Finland also. Heavy rain over our south-western districts at night. Halos in many parts of Great Britain.

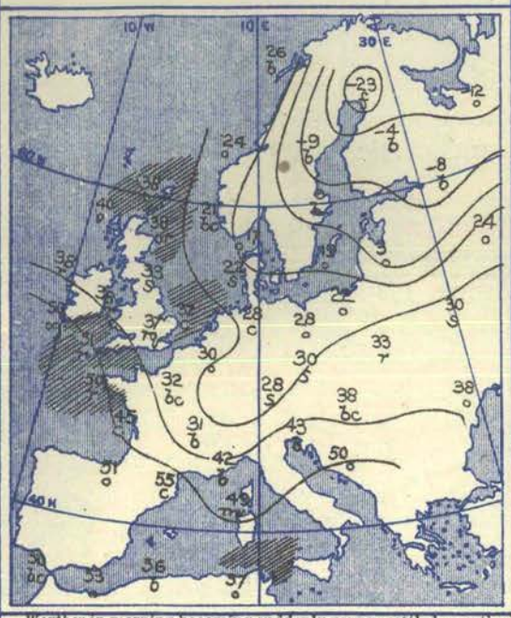
Temperature in morning highest, 66° at Algiers, 53° at Bilbao, 47° at Rochefort, 45° at Scilly, 40° at Blacksod Point, 41° at Munich. Lowest, (1) – 12° Fahr. at Uleaborg, +7° at Hernösand, 9° at Stockholm; (2) 17° at Warsaw, 27° at Berlin; (3) 21° at Parsonstown, 25° at Nairn and Aberdeen, 27° at Donaghadee. Changing very suddenly and fitfully later, and touching 50° to 52° on the coasts of Brittany, 49° in the south of Ireland.

Wind North-Easterly and Northerly over northern Europe; Westerly in the south, and blowing hard over France. A well-marked cyclonic circulation prevailing round Belgium as a centre. Wind falling light over England later and becoming South-Westerly on all our western coasts.

Barometer highest, (1) 30·1 ins. over Lapland and exceeding 29·8 ins. all over Scandinavia; (2) 30·32 ins. at Lisbon, and exceeding 30·0 ins. all over the Spanish Peninsula; exceeding 29·7 ins. in a ridge spreading northwards up the Irish Sea. Lowest, (1) 29·3 ins. and less in a shallow depression near Moscow; (2) about 29·1 ins. in a deeper system near Brussels. Latter system moving to Germany later, and barometer rising with unusual rapidity over England and France.

Thursday, 15th February.

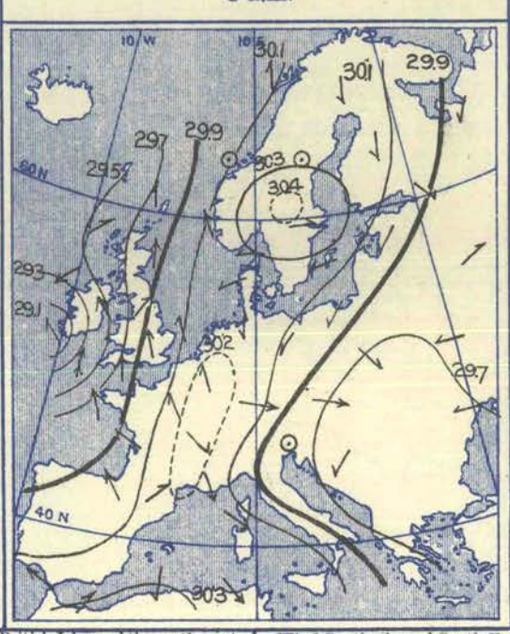
Temperature and Weather. 8 a.m.



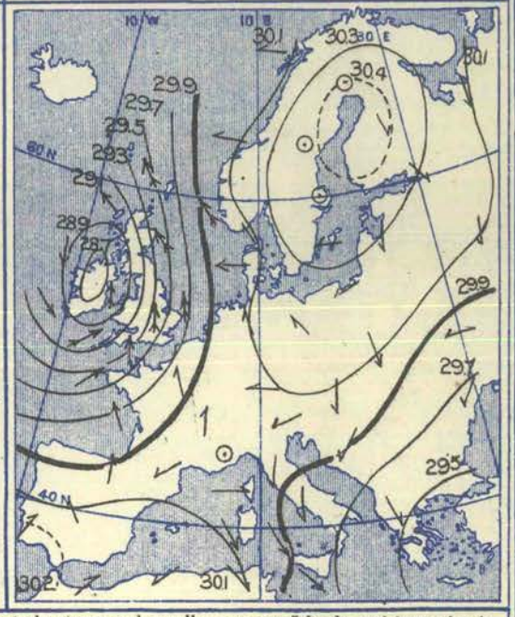
Weather in morning becoming suddenly very unsettled over the British Isles and the north-west of France, with rain in most places and some snow. Fair over Scandinavia and the east of France; unsettled, rain and snow over south-eastern Europe. Much rain later and rough weather over our Islands generally, and some snow occasionally.

Temperature risen decidedly over the United Kingdom and neighbourhood, but air still very inclement. Morning readings highest, below 60° in Algeria and over the Mediterranean, 51° at Biarritz, 50° on the coasts of Brittany and at Valencia, 42° at Portland Bill and Pembroke. Lowest, (1) −23° at Uleaborg, −12° at Archangel, −8° at St. Petersburg; (2) 27° at Munster, 28° at Munich, 29° at Belfort; (3) 37° in London, 34° at Loughborough, 36° at Nairn, 38° at Parsonstown. Rising later to 50° and more on our south-west coasts, and to between 49° and 47° over the south-east of England, to 54° at Lyons, and to 66° at Biarritz.

Barometer and Wind. 8 a.m.



6 p.m.

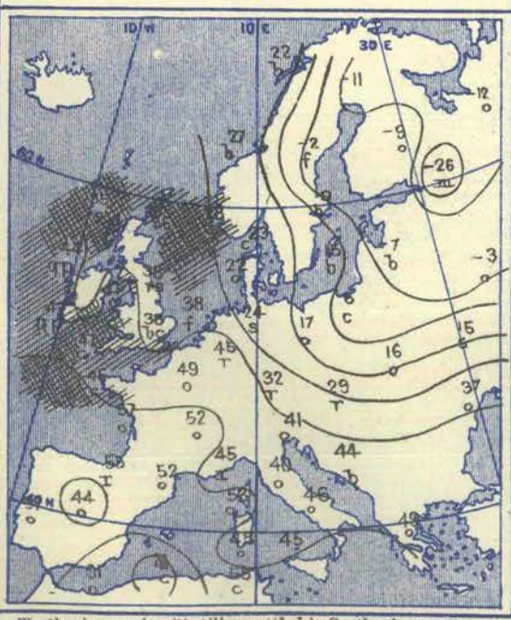


Wind Southerly and South-Easterly, strong and squally, over our Islands, and increasing in force; Southerly to Easterly in the north of France; light to moderate and anticyclonic over Scandinavia and the east of France; North-Easterly and North-Westerly over south-eastern Europe. Gales, South to South-West, in all parts of our Islands later, strongest in the north.

Barometer highest, (1) 30·41 ins. at Karlstad, and exceeding 30·2 ins. almost all over Scandinavia; (2) 30·2 ins. and more over Belgium and the east and south-east of France. Lowest, (1) 29·1 ins. and less in a deep depression over the south-west of Ireland; (2) below 29·7 ins. over south-eastern Europe, whence information very incomplete. Depression over Ireland moving north-north-eastward to Scotland later, and a secondary appearing over our south-eastern districts.

Friday, 16th February.

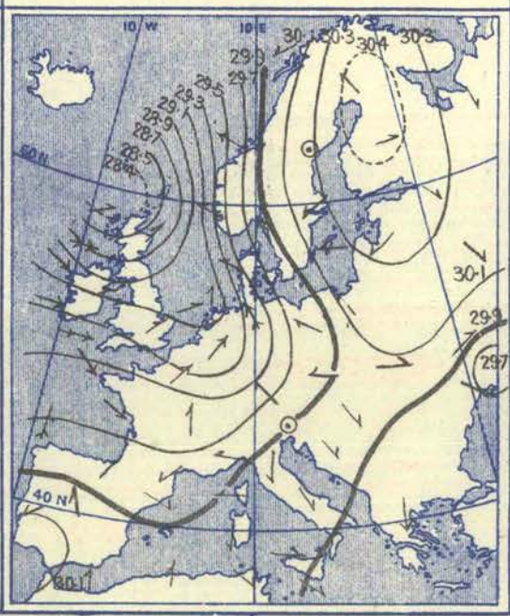
Temperature and Weather. 8 a.m.



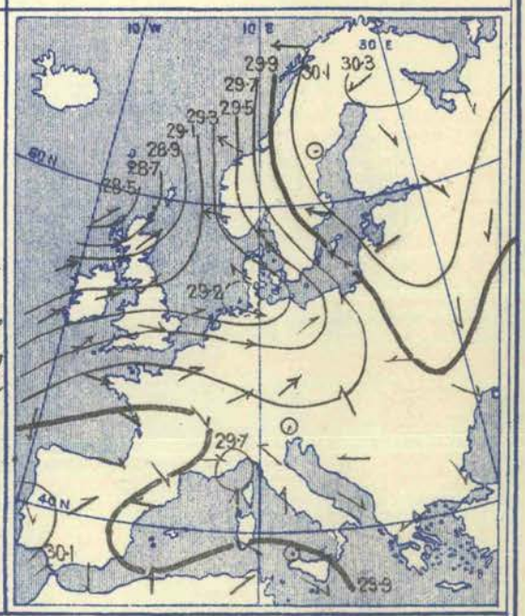
Weather in morning (1) still unsettled in Scotland; squally and showery in the west of Ireland; fine over England, but not settled; (2) fine over Sweden and the northern part of Russia; fair, apparently, over south-eastern Europe. Rain later, at intervals, over England and the greater part of France, but fine at Lyons, Nice and Perpignan.

Temperature in morning higher over the greater part of Europe than on 15th. Morning readings highest, 71° at Algiers, 55° at La Calle and Biarritz, 52° at Lyons, 47° at Scilly and Valencia, 44° at Blacksod Point, 42° at Malin Head. Lowest, −26° Fahr. at St. Petersburg, −11° Fahr. at Haparanda and Uleaborg, −7° at Riga; (2) +15° at Kieff, 17° at Berlin, 28° at Munich; (3) 36° at Aberdeen and Parsonstown, 38° at Loughborough. Rising later to 48° in the south of England, to 51° on our south-western coasts and on the coasts of Brittany, to 54° at Nice, 61° at Biarritz and Malta, and 70° to 84° over Algeria.

Barometer and Wind. 8 a.m.



6 p.m.



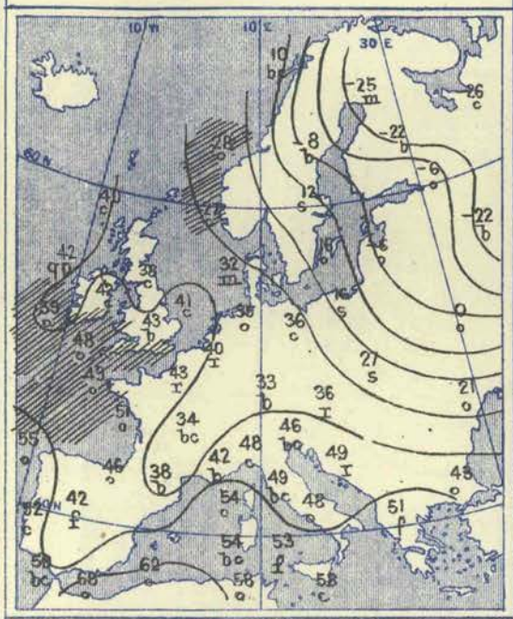
Wind North-Westerly to Westerly, strong to a gale, in Ireland; South-Westerly, fresh to moderate, over England; Southerly and stronger over Scotland; East-South-East in Norway; light over Continental Europe, and chiefly Westerly to South-Westerly in France, but South-Easterly over the central countries. Backing to South-West in Ireland later, and gale in Norway subsiding.

Barometer highest, (1) 30·4 ins. and more to 30·6 ins. in an anticyclone over Scandinavia; (2) 30·1 ins. and more to 29·7 ins. over Portugal and Spain. Lowest, (1) 28·4 ins. and less over the Hebrides and north of Scotland, and 29·0 ins. in a secondary off our north-east coasts; (2) 29·7 ins. and less over the south of Russia. Changing unsteadily over our Islands later but inclined to fall again in London. Russian depression moving north-eastwards

Saturday, 17th February.

Temperature and Weather.

8 a.m.

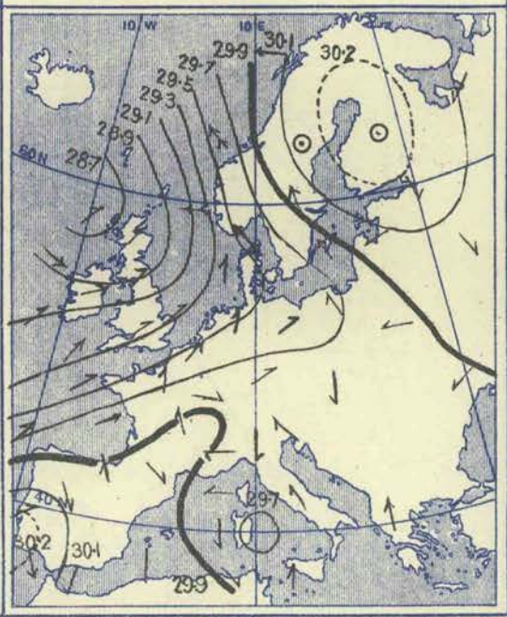


Weather in morning fair over Finland and Russia, also over the Mediterranean and the Spanish Peninsula; unsettled over France and our Islands; rainy at Paris and Brussels. Much rain later over the west and north of France, the Netherlands, and the extreme south-east of our Islands. Showers in many other parts of the United Kingdom; a thunderstorm at Biarritz.

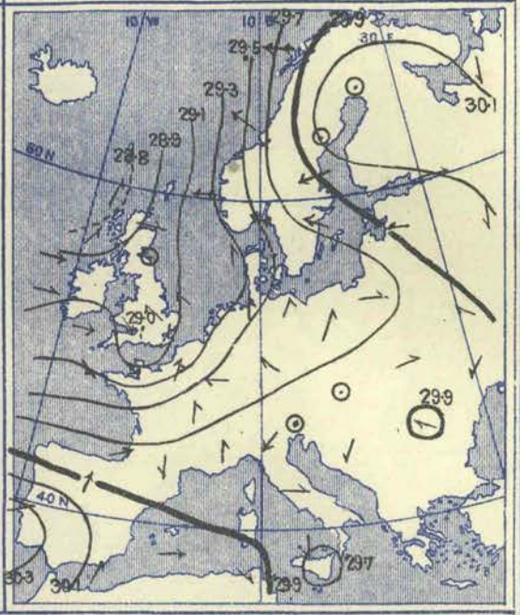
Temperature in morning highest, 62° at Nemours, 60° at Algiers, 58° at Malta, 51° at Patras, 51° at Rochefort, 48° at Scilly, 42° at Holyhead and Blacksod Point, 40° at Stornoway. Lowest, (1) −26° at Archangel, −22° at Kuopio and Moscow, −6° at Riga, −5° at Kharkov; (2) +10° at Bodö, 18° at Faerder, 32° at Fanö; (3) 31° at Nairn, 37° at Parsonstown, 39° at Loughborough and Münster. Rising later to 50° at Scilly and at Brest, 54° at Rochefort, 59° at Nice and at Lisbon, 63° in the Azores.

Barometer and Wind.

8 a.m.



6 p.m.



Wind (1) Easterly and South-Easterly gales over the southern half of Scandinavia; South-Westerly to Westerly, strong to a gale, in Portugal, and moderate over the greater part of central Europe; (2) West-South-West to South-South-West, strong, over the British Isles and north of France; (3) a cyclonic circulation of moderate to fresh breezes over the eastern half of the Mediterranean. Blowing very strongly later from between South-East and West over France; veering Westward in Ireland.

Barometer highest, (1) 30·2 ins. and more to 29·8 ins. over Finland, Sweden, and the north of Russia; (2) 30·2 ins. and more to 29·8 ins. over the Spanish Peninsula. Lowest, (1) 28·7 ins. and less to 28·8 ins. over the Hebrides and Scotland; (2) 29·8 ins. and less over the eastern parts of the Mediterranean. Rising later over the greater part of our Islands; falling fast over France and the south of England. New depression forming over the northern departments, and moving North-Eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The weather of the week now under review has been of a most unsettled character generally. High pressure areas have prevailed both over northern and southern Europe, and depressions, varying somewhat in size and intensity, have passed over the United Kingdom, causing much and frequent rain and large quantities of snow. On Monday morning there were no less than three depressions of considerable size in our neighbourhood, and early on Thursday a very deep disturbance appeared off the south-west of Ireland. This moved north-north-eastwards, the central area reaching the centre and north of Ireland the same evening and Scotland the next morning. Its gales were not very severe over England and Ireland, but blew with great force from south-east and south on the north-east coasts of Scotland, and subsequently from east in Norway. After this there were other smaller systems passing eastwards and north-eastwards over France, but after the middle of the week temperature rose over Ireland from the wintry level that it had previously maintained.

Rain and snow were abundant all over the British Isles and sometimes heavy in France and the south of England, and, owing to the rain and melting snow, floods prevailed in several southern districts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 38.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands	12·7	?	20	?	BRIGHTON	22·5	+ 4·5	33	+ 6
STRATHPEFFER SPA	24·0	+ 9·0	37	+14	WORTHING	22·7	?	33	?
EDINBURGH	24·9	+11·4	38	+18	BOGNOR	25·1*	?	36*	?
MORPETH	23·6	?	36	?	WATERGATE (Emsworth)	21·1	?	31	?
NEWCASTLE-ON-TYNE	15·0	?	23	?	WESTBOURNE (Emsworth)	22·6*	?	33*	?
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	24·8	?	36	?
YORK	7·8	− 6·2	12	− 9	SOUTHPORT	27·7	?	41	?
LOWESTOFT	15·7	?	23	?	RHYL	30·6*	?	46*	?
HOLLESLEY BAY	18·8	?	28	?	COLWYN BAY	33·5	?	50	?
SHEFFIELD	17·5	?	26	?	ABERDOVEY	33·1*	?	49*	?
WORKSOP	17·7	+ 3·5	26	+ 5	TENBY	23·5	+ 3·5	35	+ 5
THURCASTON (Leicestershire)	19·1	+ 5·0	29	+ 8	NEWQUAY				
MARGATE	12·7	− 3·8	18	− 6	TORQUAY	23·9	+ 6·7	35	+10
EASTBOURNE	22·2	+ 4·3	32	+ 7	GUERNSEY	22·3*	+ 1·3	32*	+ 1

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; R. H. SCOTT, F.R.S., SECRETARY.

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VOL. XVII. No 8.] *Third Series.* WEEK ENDING SATURDAY, FEBRUARY 24TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 44.)	Observed during the Week. Highest.	Observed during the Week. Lowest.	Averages of Daily Maxima.	Averages of Daily Minima.	Averages of Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Accumulated. From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	11	41·9	31·3	36·6	2 below	0	− 7	38	+ 3	19	−33	380	+54
	1. SCOTLAND, EAST	54	16	41·1	30·4	35·8	2 below	0	−10	43	+ 2	24	−40	400	+51
	2. ENGLAND, N.E.	54	24	44·9	33·4	39·2	0 (average)	8	− 3	32	− 1	40	−19	316	+ 6
	3. ENGLAND, EAST	60	29	49·7	35·9	42·8	4 above	31	+16	17	−20	67	− 4	308	−47
	4. MIDLAND COUNTIES	59	27	49·3	36·2	42·7	4 above	29	+16	16	−21	70	− 9	324	−29
	5. ENGLAND, SOUTH	57	29	50·1	38·5	44·3	4 above	31	+15	10	−19	102	+11	244*	−41
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	29	43·4	35·9	39·7	0 (average)	4	− 6	23	− 5	45	−32	292	+44
	7. ENGLAND, N.W.	57	26	47·0	36·6	41·8	2 above	14	+ 3	22	− 6	53	−15	272	+13
	8. ENGLAND, S.W.	57	28	50·2	39·4	44·9	3 above	31	+13	7	−16	128	+ 8	188	−22
	9. IRELAND, NORTH	55	25	45·7	34·3	40·0	1 below	10	− 4	30	+ 6	68	−35	260	+44
	10. IRELAND, SOUTH	57	25	49·0	36·8	42·9	0 (average)	28	+ 6	15	− 2	128	−28	236	+69
	—CHANNEL ISLANDS	56	39	52·1	43·7	47·9	4 above	41	+18	0	−10	229*	+59	52*	−44

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 44.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	8	3 less	45	+ 4	10·0	+ 0·4	16	+ 1	24	0	87	+22	20	+ 5
	1. SCOTLAND, EAST	5	12	7 more	37	+ 6	6·2	+ 1·2	13	− 5	19	− 8	104	+13	23	+ 3
	2. ENGLAND, N.E.	6	11	7 more	37	+ 8	5·2	+ 1·7	16	− 1	23	− 1	99*	+ 5	20	+ 1
	3. ENGLAND, EAST	7	13	9 more	39	+ 9	6·4	+ 2·9	21	0	29	0	113	0	22	0
	4. MIDLAND COUNTIES	7	17	13 more	37	+ 8	7·3	+ 3·1	19	+ 1	27	+ 2	102	+12	23	+ 3
	5. ENGLAND, SOUTH	7	12	8 more	38	+10	7·8*	+ 3·2	20	+ 1	28	+ 1	118	+ 5	23	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	12	2 more	43	+ 7	10·8	+ 0·6	14	− 2	21	− 2	138	+24	23	+ 5
	7. ENGLAND, N.W.	6	13	8 more	39	+ 7	7·8	+ 2·6	21	+ 3	29	+ 4	111	+15	22	+ 3
	8. ENGLAND, S.W.	7	22	14 more	43	+10	11·2	+ 4·2	19	− 2	26	− 4	142	+23	29	+ 4
	9. IRELAND, NORTH	6	13	7 more	45	+ 8	7·1	+ 1·4	15	− 2	21	− 3	150	+53	32	+11
	10. IRELAND, SOUTH	5	13	6 more	42	+ 7	8·2	+ 1·2	25	+ 6	35	+ 8	157	+42	33	+ 9
	— CHANNEL ISLANDS	7	10	4 more	47	+11	10·1	+ 4·2	17	− 8	23	−12	128	−21	23	− 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather continued very unsettled in all parts of the Kingdom. Rain in considerable quantities fell almost daily over all the more southern districts and rain, sleet or snow in the north.

Temperature was again below the mean in the north and east of Scotland and the north of Ireland, but just equal to it in England N.E., Scotland W., and Ireland S., and above it elsewhere. The highest of the maxima were recorded either on Friday or Saturday; when they ranged from 60° in England E. and 59° in the Midland Counties, to 51° in Scotland N., and 50° in Scotland W. The lowest of the minima occurred on the 21st or 22nd, and varied from 11° in Scotland N., and from 16° in Scotland E. to 29° in England E. and S. and Scotland W. and to 39° in the Channel Islands.

Rainfall was rather less than the mean in Scotland N., but more in all other parts of the Kingdom, the excess in most districts being large (especially in the east and south).

Bright Sunshine did not differ materially from the normal as a whole, but exceeded it in Ireland S. and showed a deficiency in Scotland E. and the Channel Islands. The percentage of the possible duration ranged from 19 in Scotland E., to 29 in England N.W. and to 35 in Ireland S.

Barometer and Wind.—Several depressions appeared over or in the immediate neighbourhood of our Islands, the most important being a deep system that travelled slowly north-eastward from the St. George's Channel to Norway between the 19th and 21st. This was accompanied by strong Southerly to South-Westerly winds or gales in the south, and severe South-Easterly to Northerly gales in the north. Towards the end of the week another rather deep disturbance appeared over our western coasts, and caused further South-Easterly gales on the Scotch coasts, and fresh or strong Southerly or South-Westerly winds in the southern and south-western districts.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 43 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	48	26	38·6	31·3	35·0	− 3·0	0	49	5	0·45	− 0·30	*	*	*	*
	Stornoway	48	29	43·6	33·3	38·5	− 0·5	4	32	5	0·68	− 0·23	19·6	+ 2·6	29	+ 3
	Wick	48	20	42·1	32·0	37·1	− 0·9	0	35	5	0·70	+ 0·14	*	*	*	*
	Lairg Ⓢ	49	11	40·3	22·9	31·6	− 5·0	0	73	5	0·89	+ 0·16	*	*	*	*
	Glencarron Ⓢ	49	23	41·2	32·0	36·1	− 0·9	0	41	6	0·74	− 0·79	*	*	*	*
	Fort Augustus Ⓢ	51	23	43·7	33·1	38·4	− 0·3	5	32	6	0·66	− 0·31	13·7	+ 2·5	20	+ 4
	Fort William Ⓢ	48	29	43·5	34·8	39·2	− 0·2	4	27	5	1·25	− 0·59	10·1	− 5·1	15	− 7
1. SCOTLAND E.	Nairn	54	22	43·6	29·4	36·5	− 1·8	4	45	4	0·34	− 0·12	*	*	*	*
	Aberdeen	46	18	40·1	31·1	35·6	− 2·7	0	45	6	1·94	+ 1·41	10·3	− 9·7	15	− 14
	Braemar Ⓢ	43	16	37·0	26·4	31·7	− 3·3	0	72	6	1·68	+ 0·98	10·8†	− 8·4†	16†	− 13†
	Ochtertyre Ⓢ	45	24	41·3	31·6	36·5	− 1·1	0	39	6	1·23	+ 0·46	*	*	*	*
	Leith	54	28	44·4	33·0	38·7	− 1·2	7	33	4	0·69	+ 0·37	*	*	*	*
	Marchmont Ⓢ	47	23	40·4	30·6	35·5	− 1·9	0	46	6	1·38	+ 0·84	15·8	− 2·4	23	− 4
2. ENGLAND, N.E.	Alnwick Castle	51	24	44·4	31·3	37·9	− 0·6	7	39	6	1·85	+ 1·35	*	*	*	*
	Durham	54	28	43·5	32·0	37·8	− 0·2	4	36	5	0·66	+ 0·26	16·7	− 1·2	24	− 2
	Shields	53	27	43·9	32·7	38·3	− 0·9	5	34	6	0·83	+ 0·50	*	*	*	*
	Scarborough Ⓜ	54	31	46·6	35·6	41·1	+ 1·9	13	26	7	0·89	+ 0·49	?	?	?	?
	Spurn Head	52	32	46·1	35·6	40·9	+ 1·9	11	26	7	1·02	+ 0·74	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	57	30	48·8	35·7	42·3	+ 4·1	29	18	7	1·85	+ 1·45	15·0	− 4·1	21	− 6
	Yarmouth	53	29	47·9	34·1	41·0	+ 2·8	17	32	7	1·28	+ 0·90	*	*	*	*
	Geldeston	60	31	51·0	37·0	44·0	+ 5·0	35	14	7	1·18	+ 0·86	20·4	+ 0·6	29	+ 1
	Cambridge	59	30	52·2	36·4	44·3	+ 5·1	40	16	7	1·05	+ 0·75	19·9	+ 1·0	28	+ 1
	Felixstowe	51	31	47·4	36·5	42·0	+ 2·3	15	15	7	1·20	?	25·2†	?	35†	?
	Rothamsted	57	30	50·7	35·7	43·2	+ 4·6	35	18	7	1·25	+ 0·83	21·4	+ 3·1	30	+ 3
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	55	30	48·1	35·1	41·6	+ 2·6	17	28	6	1·12	+ 0·81	*	*	*	*
	Loughborough	58	30	50·7	35·9	43·3	+ 3·8	35	17	7	1·99	+ 1·64	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	54	27	47·4	34·4	40·9	+ 2·9	15	30	7	1·62	+ 1·12	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	55	30	48·1	36·7	42·4	+ 3·4	25	15	7	2·04	+ 1·66	16·6	?	23	?
	Churchstoke Ⓜ	59	29	49·3	35·7	42·5	+ 3·5	30	18	7	1·22	+ 0·79	23·2	+ 4·3	33	+ 8
	Hereford (Belmont) Ⓜ	55	30	50·1	27·5	43·8	+ 3·8	32	13	7	1·86	+ 1·46	*	*	*	*
	Cirencester	56	31	49·9	36·1	43·0	+ 4·3	32	17	7	2·11	+ 1·61	19·5	− 0·2	27	− 1
	Oxford	57	32	50·7	38·0	44·4	+ 4·4	34	11	7	1·40	+ 1·01	21·5	+ 3·5	30	+ 5
5. ENGLAND, S.	London	57	32	52·1	37·6	44·9	+ 4·4	39	12	7	0·53	+ 0·19	16·2†	+ 5·4†	23†	+ 8†
	Cranley Ⓜ	55	30	51·0	37·4	44·2	+ 3·9	35	13	7	0·88	+ 0·44	*	*	*	*
	Dungeness	52	30	48·9	38·6	43·8	+ 4·6	27	10	7	0·93	+ 0·57	*	*	*	*
	Hastings (St. Leonards)	52	32	48·9	39·3	44·1	+ 4·1	26	8	7	1·47	+ 1·02	21·5	− 0·7	30	− 1
	Southampton	55	31	51·8	40·2	46·0	+ 4·9	36	5	7	1·92	+ 1·42	17·3	− 3·2	24	− 5
	Portland Bill	51	36	49·0	39·9	44·5	+ 2·7	26	6	7	1·40	?	*	*	*	*
	Shaftesbury Ⓜ	52	29	48·9	36·8	42·9	+ 3·7	28	15	7	1·49	+ 0·89	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	29	42·8	35·4	39·1	− 1·0	2	24	7	1·05	− 0·48	*	*	*	*
	Glasgow	50	29	42·3	34·3	38·3	− 0·8	1	27	6	1·31	+ 0·58	16·4	+ 4·2	24	+ 6
	Glenlee Ⓢ	49	?	43·0	?	?	?	?	?	6	1·30	+ 0·30	*	*	*	*
	Douglas (Isle of Man)	50	34	45·5	37·9	41·7	+ 1·0	10	17	7	1.21	+ 0·53	12·4	− 6·8	18	− 9
7. ENGLAND, N.W.	Newton Reigny	53	26	43·6	32·9	38·3	+ 0·3	4	33	5	1·52	?	17·6	?	25	?
	Stonyhurst	54	30	45·9	35·9	40·9	+ 2·1	11	24	6	0·98	+ 0·20	18·3	+ 2·1	26	+ 3
	Blackpool Ⓜ	57	31	48·2	36·3	42·3	+ 3·1	26	16	6	1·29	+ 0·84	19·6	+ 2·9	28	+ 4
	Manchester (Prestwich)	57	30	48·3	35·8	42·1	+ 3·3	27	17	7	1·45	+ 0·97	18·1	?	26	?
	Liverpool Obsy. (Bidston)	55	33	48·4	37·6	43·0	+ 2·4	25	12	6	1·18	+ 0·83	22·4	?	32	
	Llandudno Ⓜ	55	37	48·5	39·3	43·9	+ 2·1	25	8	5	0·86	+ 0·43	22·5	+ 3·9	32	+ 5
	Holyhead	50	35	46·0	38·6	42·3	+ 0·5	16	10	7	2·00	+ 1·47	*	*	*	*
8. ENGLAND, S.W.	Llandovery	55	28	50·4	35·4	42·9	+ 3.1	34	18	7	1·81	+ 0·93	*	*	*	*
	Pembroke	50	35	48·0	40·9	44·5	+ 2·2	22	3	7	1·71	+ 1·14	17·8	− 3·7	25	− 5
	Clifton												*	*	*	*
	Arlington (N. Devon)	53	33	49·6	37·9	43/8	+ 2·8	30	11	7	3·06	+ 2·38	*	*	*	*
	Cullompton Ⓜ	57	30	51·9	39·2	45·6	+ 4·0	37	8	7	1·49	+ 0·76	19·6	+ 0·6	27	0
	Falmouth	56	35	51·2	42·2	46·7	+ 3·0	33	0	7	2·77	+ 1·82	22·8	+ 0·7	32	+ 1
	Plymouth	53	36	50·2	41·0	45·6	+ 3·2	29	3	7	2·50	+ 1·89	15·8	− 5·7	22	− 8
9. IRELAND, N.	Malin Head	48	34	44·6	36·4	40·5	− 1·4	7	21	6	0·62	?	*	*	*	*
	Londonderry	51	30	45·5	33·4	39·5	− 1·5	10	33	7	0·77	+ 0·20	*	*	*	*
	Edenfel (Omagh)	50	25	44·6	32·3	38·5	− 0·5	7	36	6	1·11	+ 0·59	*	*	*	*
	Blacksod Point	50	33	46·3	36·6	41·5	− 1·5	12	22	7	2·23	?	*	*	*	
	Markree Castle	53	25	46·1	32·4	39·3	− 0·9	11	37	6	1·73	+ 1·06	12·3	− 4·8	18	− 7
	Armagh	55	29	46·5	34·5	40·5	+ 0·5	13	29	6	1·19	+ 0·61	16·7	0·0	24	0
	Donaghadee	52	30	46·1	34·4	40·3	− 0·5	11	30	7	1·18	+ 0·69	*	*	*	*
10. IRELAND, S.	Dublin	56	31	48·1	37·9	43·0	+ 1·0	24	11	5	0·61	+ 0·14	25·6	+ 6·6	36	+ 9
	Parsonstown	57	28	47·9	33 9	40·9	− 0·1	17	32	5	0·62	+ 0·12	23·4	+ 5·4	33	+ 7
	Kilkenny	55	25	48·0	34·6	41·3	− 0·7	17	30	5	0·71	+ 0 15	*	*	*	*
	Roche's Point	54	32	49·4	38·3	43·9	+ 0·1	29	10	5	1·84	+ 0·89	*	*	*	*
	Valencia	54	30	50·3	39·1	44·7	− 0·2	31	8	7	2·02	+ 0·85	24·9	+ 5·2	35	+ 7
	Killarney	55	27	50·4	36·2	43·3	− 0·5	33	16	5	2·21	?	*	*	*	*
	Foynes	55	30	48·7	37·3	43·0	+ 1·0	27	13	5	0 85	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	40	52·4	44·1	48·3	+ 2·5	44	0	7	0·80	+ 0·20	18·1	?	25	?
	Jersey	54	39	51·7	43·3	47·5	+ 4·4	39	0	7	1·22	+ 0·67	16·2	− 8·6	22	− 13

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

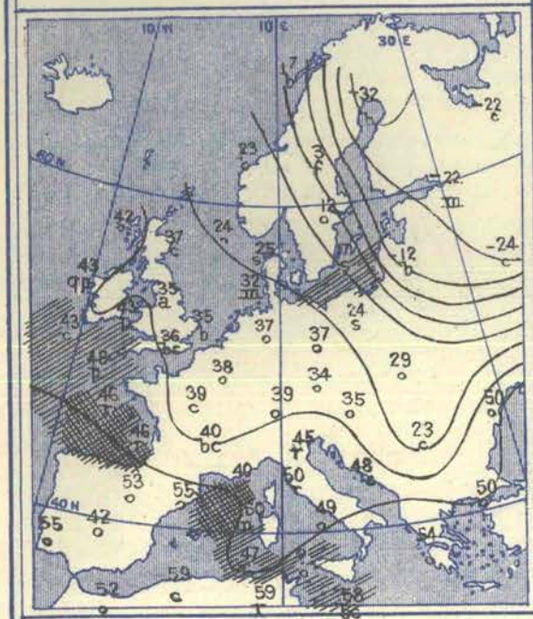
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

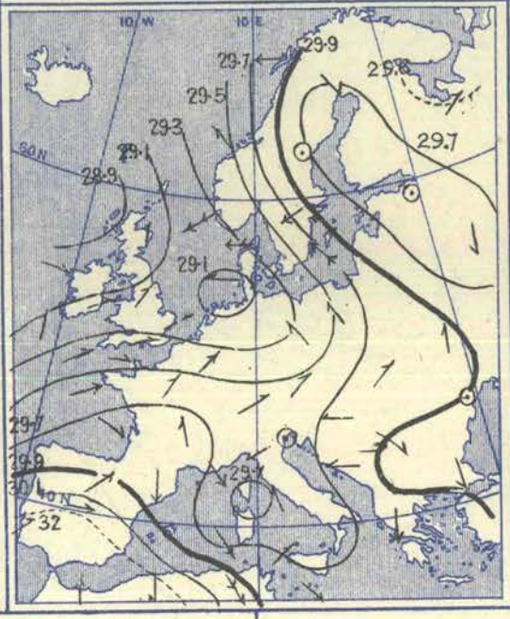
Note.—The bright sunshine values entered to Liverpool are recorded at Hoylake.

Sunday, 18th February.

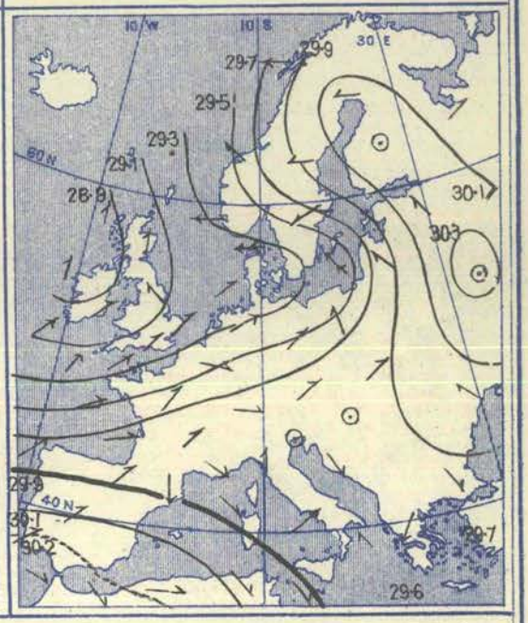
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of England, and also over the northern parts of Scandinavia. Cloudy or dull elsewhere, with showers at several of our own western and northern Stations, and steady rain over the west of France and northern Italy; snow falling over Denmark, the Baltic, and the south of Scandinavia. Rain falling later in nearly all parts of western and southern Europe, heavily in the west and north of France, thunder and lightning occurring at Biarritz and lightning seen at Blacksod Point.

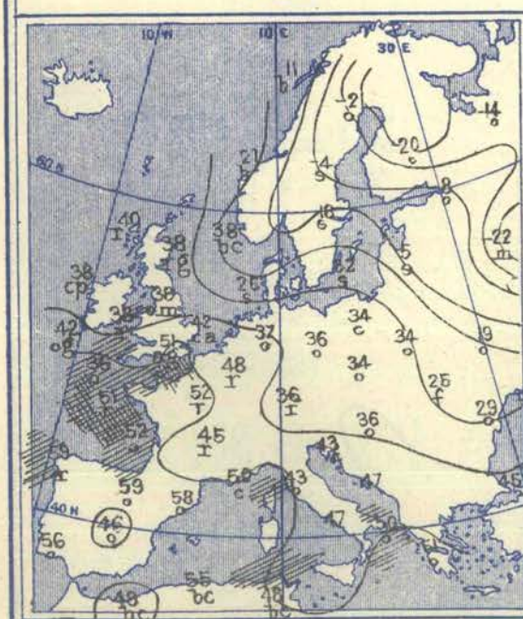
Temperature changed very irregularly. Morning readings highest, 59° at Algiers and La Calle, 58° at Malta, and 56° at Tunis; above 50° at several of the Mediterranean and Spanish coast stations, and above 45° in the west of France, and the Scilly and Channel Islands. Lowest, −32° Fahr. at Haparanda, −24° at Moscow and −22° at Archangel; considerably below the freezing point over northern Europe generally and very little above it in the east of England. Rising during day to 45° and upwards in most parts of the United Kingdom and to 50° at Pembroke and Scilly; exceeding 55° over southern Europe generally, exceeding 60° over the Spanish Peninsula and reaching 64° at Barcelona.

Wind light to moderate from the South-Westward over Ireland, England, France and the Netherlands, and from the Southward in the north of Scotland; strong to a gale from the Eastward or South-Eastward in Denmark and Scandinavia; variable in Russia, Austria and Italy; strong from the North-Westward over the extreme south of France and the western parts of the Mediterranean. Subsequently increasing to a strong breeze from the South-Westward on our south-west coasts; no important change occurring elsewhere.

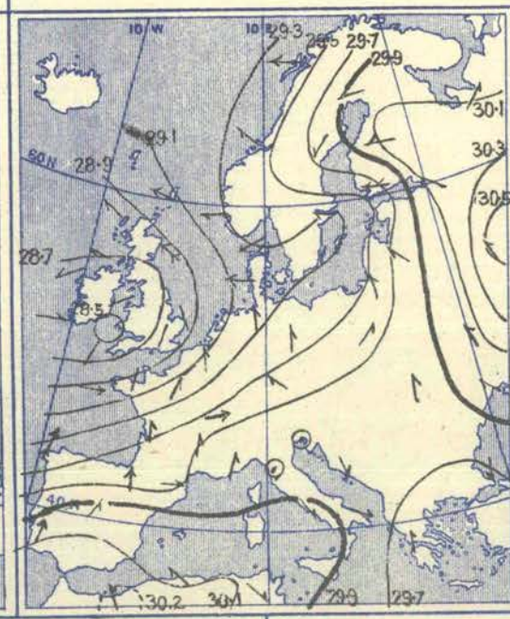
Barometer highest, 30·2 ins. and upwards in an anticyclone over Algeria and the southern parts of the Spanish Peninsula; 30·1 ins. and upwards in another system over the northern parts of Russia. Lowest, 28·9 ins. and less in a depression off the west of Scotland; 29·1 ins. and less in a well-marked secondary system over Denmark; 29·5 ins. and less in a small disturbance over Sardinia. Scotch depression subsequently spreading south-eastwards; secondary system moving north-eastwards; depression over Sardinia entirely filling up.

Monday, 19th February.

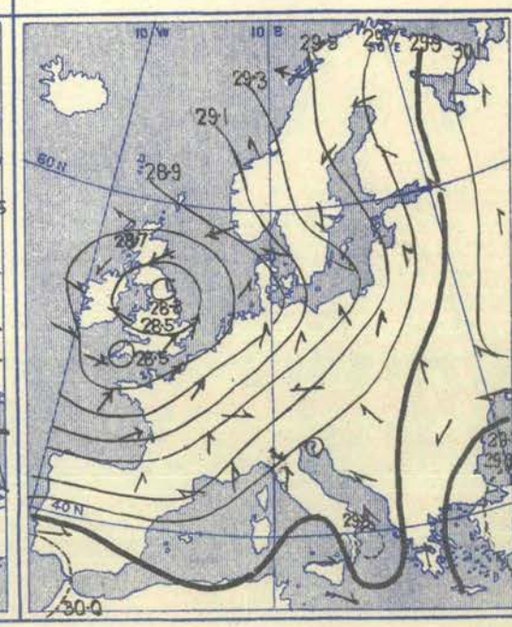
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over nearly the whole of Europe, with rain in nearly all parts of Great Britain, France, the Netherlands and western and southern Germany; snow reported over Denmark, Sweden and the Gulf of Finland. Fine in the west of Norway and also in the extreme south of France. Rain or snow falling later over the whole of western Europe—heavily in some parts of Great Britain and France; thunderstorms occurring at Valencia (Ireland) and Lyons.

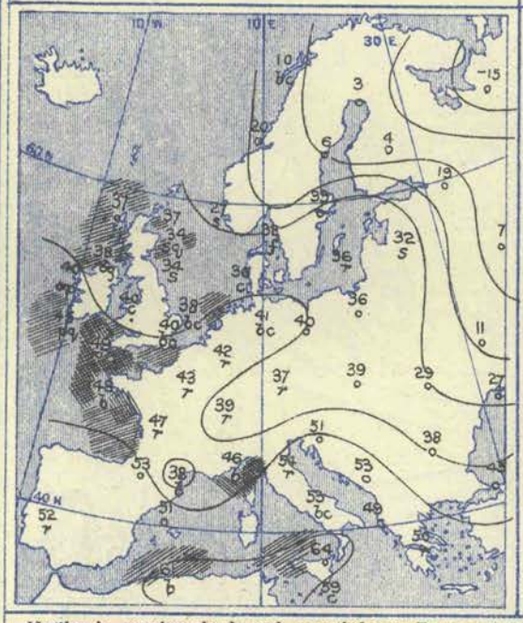
Temperature risen decidedly over England and France; changed rather irregularly elsewhere. Morning readings highest, 65° at La Calle, 59° at Biarritz and Corunna, and 58° at Barcelona; slightly above 50° at several stations in the south of England. Lowest, −22° Fahr. at Moscow, −21° at Haparanda, and −14° at Archangel; considerably below the freezing point over northern Europe generally, and very little above it at some of our own northern stations. Rising during day to between 50° and 55° over England; exceeding 55° in the west and south of France, and exceeding 65° over the Spanish Peninsula and southern Italy.

Wind strong to a gale from the South-Westward over the south of England, the west and north of France and the Spanish and Portuguese coasts; moderate from the same quarter in the south of France; Southerly over north Germany and the Baltic; Easterly or North-Easterly over Finland and Scandinavia; South-Easterly in the north and east of Scotland, with a gale at Aberdeen. Variable over south Germany and Austria; North-Westerly in Italy. Subsequently increasing to a violent gale from the Eastward in the east of Scotland.

Barometer highest, 30·5 ins. to 30·1 ins. in a large anticyclone over Russia; 30·2 ins. to 30·1 ins. in another system over Algeria and the south of Spain. Lowest, 28·5 ins. and less in a depression with its centre at the mouth of the St. George's Channel; 29·7 ins. and less in a large shallow area over Greece and Asia Minor. Depression over our western coasts subsequently moving north-eastwards and barometer at Shields falling at 10 p.m. to 28·21 ins.; secondary system appearing over the Bristol Channel.

Tuesday, 20th February.

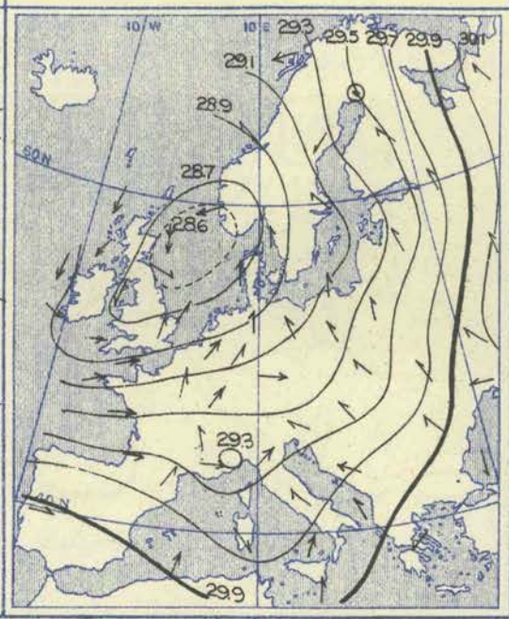
Temperature and Weather. 8 a.m.

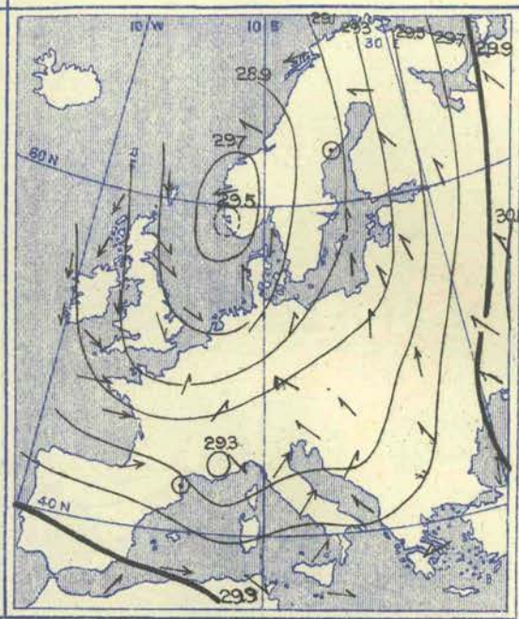


Weather in morning cloudy and unsettled over Europe generally, with rain over France, Belgium and some parts of Italy, and Greece, and passing showers on our own western coasts; snow reported in the east of Scotland; and the north-east of England as well as at Riga and Uleaborg. Fine in the east and south-east of England, and also in the extreme south of France. Rain, snow or sleet falling later over nearly the whole of western and northern Europe; lightning seen at Jersey and Biarritz.

Temperature fallen in most of the western countries, but risen elsewhere. Morning readings highest, 64° at Palermo, 61° at Algiers, and 59° at Malta, above 50° in most parts of southern Europe. Lowest −15° Fahr. at Archangel, +3° at Haparanda, and 4° at Uleaborg and Kuopio; considerably below the freezing point over the whole of Russia and Scandinavia, and very little above it in the north-east of Great Britain. Daily maxima below 40° in the latter regions, but above 45° at many of our southern stations, and above 50° in France; exceeding 60° over southern Italy and reaching 72° at Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.



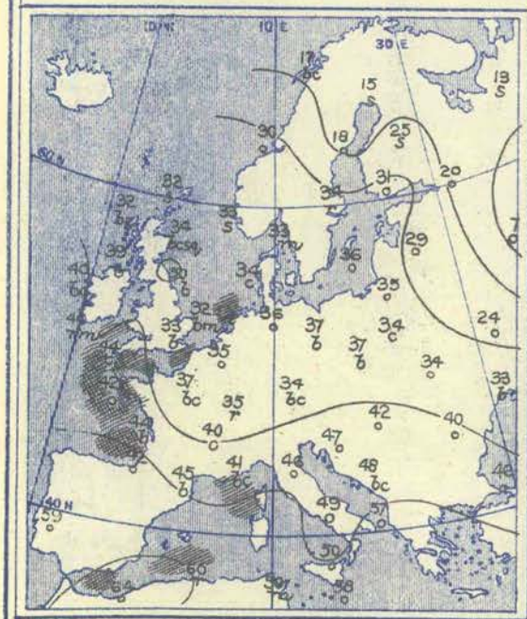


Wind showing a complete anticyclonic circulation over North-Western Europe, the Westerly wind being strong in the Channel and Bay of Biscay, with a gale at Scilly, and the North-Easterly wind strong on our extreme north and north-west coasts, and also in the south of Norway. Moderate to fresh from the South in Italy; light from the South-Eastward in Russia and Austria. Veering later from South-West to North-West over England; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in a large anticyclone over Russia, 29·9 ins. and upwards over Algeria and the south of Spain. Lowest, 28·6 ins. and less in a depression with its centre over the central parts of the North Sea, 29·3 ins. and less in a small disturbance over the Gulf of Genoa. Depression over North Sea moving slowly north-eastwards during day and barometer rising briskly in our Islands.

Wednesday, 21st February.

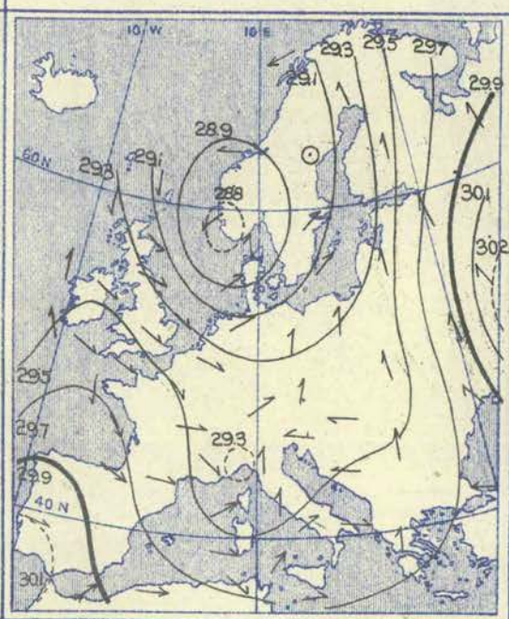
Temperature and Weather. 8 a.m.

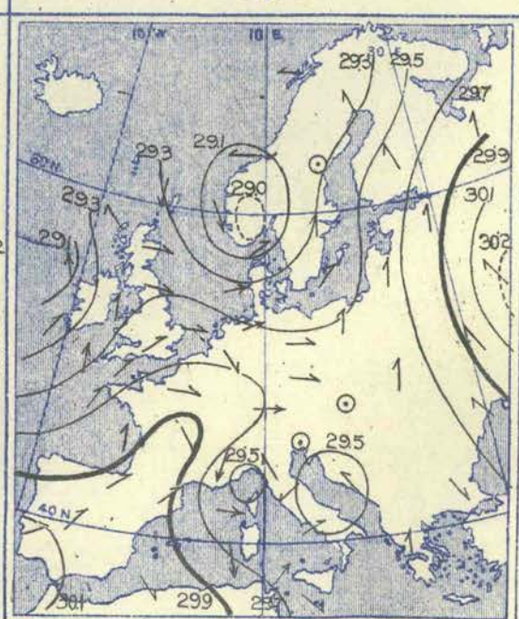


Weather in morning fine over western Europe generally, but rain falling at Valencia (Ireland) and also at Belfort, and snow in the north-east of Scotland. Dull and unsettled over the northern, eastern and southern parts of the Continent, with rain at Stockholm and snow over the extreme northern parts of Sweden as well as at Skudesnaes. Rain falling later over nearly the whole of Ireland, England, France and Italy; thunderstorm occurring at night at Valencia (Ireland) and lightning seen at Blacksod Point and Roche's Point.

Temperature fallen in most parts of western, central and southern Europe, but risen quickly in the north. Morning readings highest, 64° at Oran, 63° at Nemours, 60° at Algiers, and 59° at Lisbon; above 50° at the Mediterranean stations generally. Lowest, 0° zero at Uleaborg, 7° at Moscow, and 13° at Archangel; slightly below the freezing point in many parts of Great Britain and central Ireland. Daily maxima below 40° in the north of Scotland, and below 45° in the north and east of our Islands generally; thermometer rising to 50° or more on our extreme south-west coasts and in the west and south of France; exceeding 60° over southern Italy.

Barometer and Wind. 8 a.m. and 6 p.m.



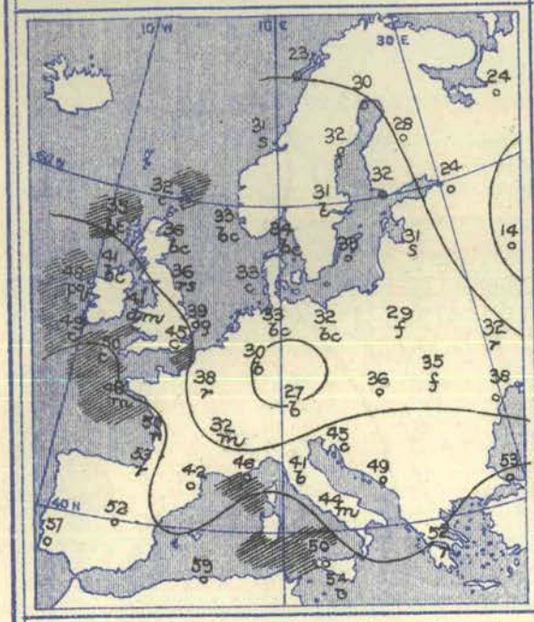


Wind light to moderate from the North-Westward over the greater part of our Islands, France and the Netherlands, but Southerly in the west of Ireland; South-Westerly or Southerly over Italy, Germany, Denmark and the south of Sweden; South-Easterly in Russia; Easterly or North-Easterly in the west of Norway. Subsequently increasing to a strong breeze or moderate gale from the Southward or South-Westward on many parts of our western and southern coasts.

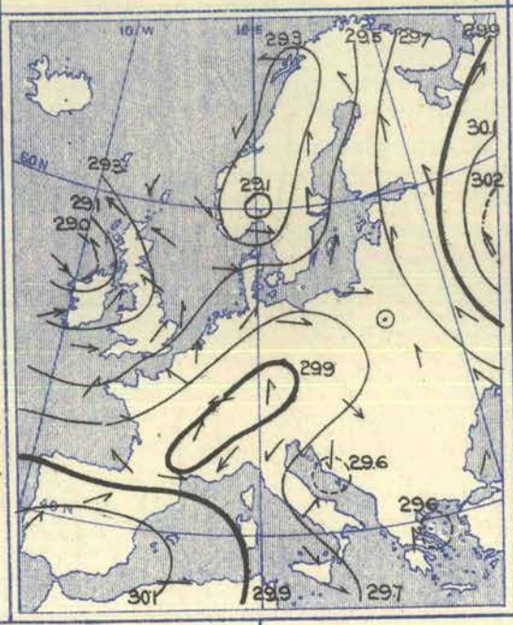
Barometer highest, 30·2 ins. and upwards in an anticyclone over central Russia; 30·0 ins. and upwards in another system lying off the south-west of Spain. Lowest, 28·8 ins. and less in a well-marked depression with its centre over the extreme south of Norway. New disturbance approaching our own western coasts later, and barometer falling briskly Ireland. Depression over Norway moving slowly north-eastwards.

Thursday, 22nd February.

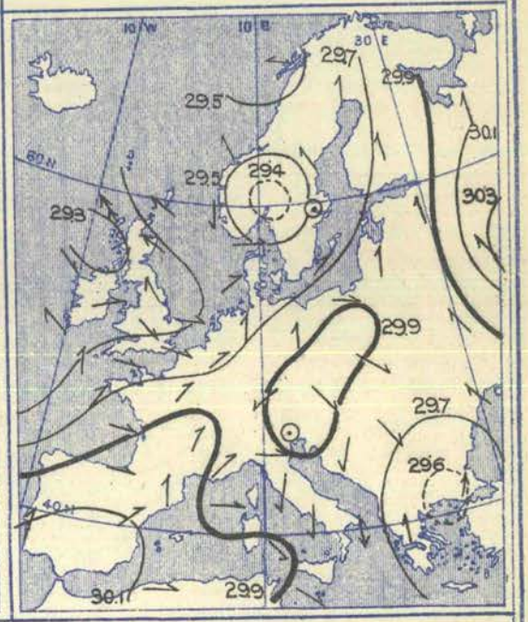
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled over the greater part of Ireland, England, and France, with rain or passing showers in many places. Fine in the north of Scotland and also in Denmark, Germany and northern Italy; cloudy over northern and eastern Europe generally, with rain in the south of Russia, and snow at Christiansund, Karlstad, Riga and Breslau. Rain falling during day in most parts of western Europe, thunder heard at Yarmouth in afternoon.

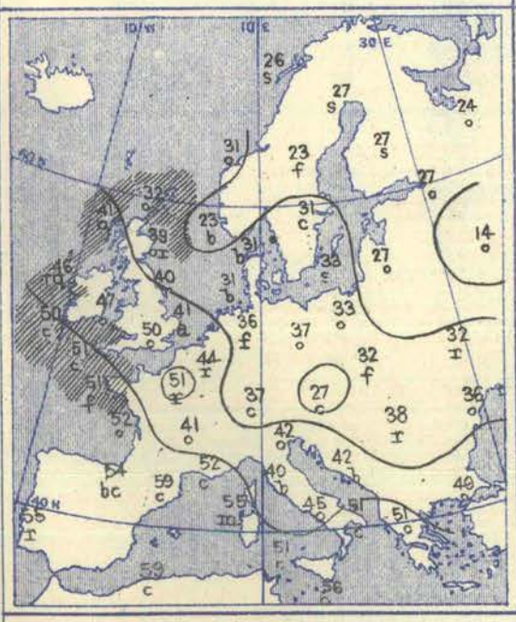
Temperature risen in our Islands and the west and north of France, and also in Russia and the north of Scandinavia, fallen elsewhere. Morning readings highest, 59° at Algiers, 57° at Lisbon, and 55° at Athens; above 50° at most of the Mediterranean and Spanish coast stations. Lowest, 14° at Moscow, 21° at Kharkov, and 24° at Archangel and St. Petersburg. Lowest in our Islands, 32° at Sumburgh Head and Nairn. Rising during day to 50° and upwards in many parts of England, Ireland and France, to 55° and upwards over southern Europe generally and to 64° at Barcelona.

Wind fresh to strong from the Westward or South-Westward in the west and south of our Islands, and moderate from the same quarters over the Bay of Biscay and the Spanish Peninsula. Moderate from the Southward over the Netherlands and the east of England, and from the South-Eastward in Scotland. Westerly in Denmark and Germany, and North-Westerly in Austria, but Southerly or South-Easterly over Sweden and Russia, and Easterly or North-Easterly in the west of Norway. Variable in Italy and the south of France. Subsequently backing to the Southward or South-Eastward on our own extreme south-west coasts.

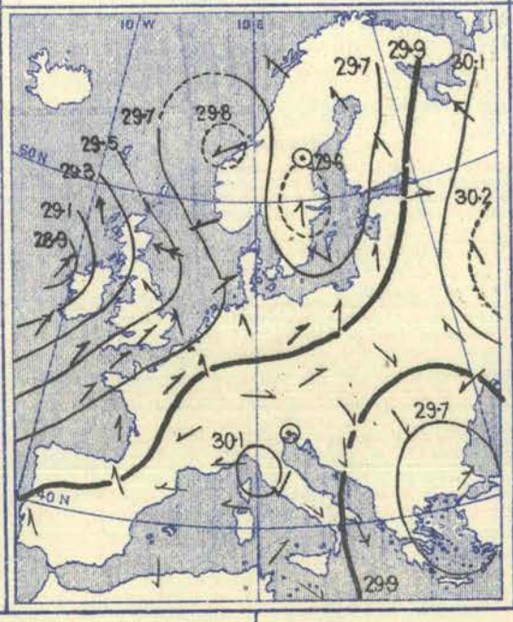
Barometer highest, 30·2 ins. and upwards in an anticyclone over central Russia; 30·1 ins. and upwards in another system over Algeria and the southern parts of the Spanish Peninsula. Lowest, 29·0 ins. and less in a depression with its centre off the north-west of Ireland: 29·1 ins. and less in another system with its centre near Faerder. Both depressions filling up partially later, but new disturbance approaching our extreme south-west coasts.

Friday, 23rd February.

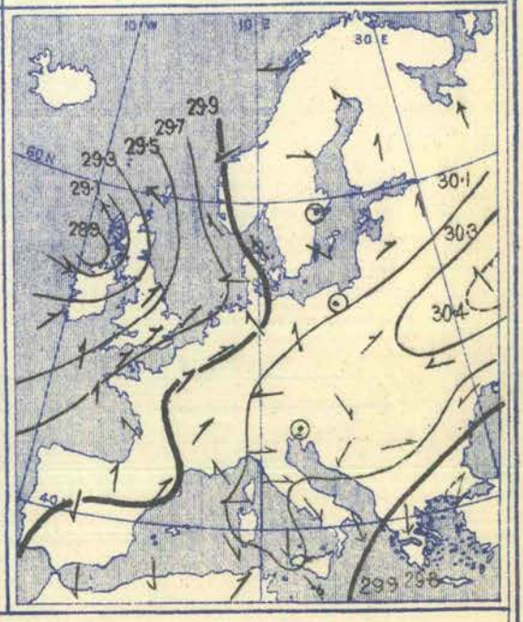
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain over England, the east of Scotland, Belgium, and the northern and central parts of France, as well as in the south of Russia; snow falling at Bodö, Uleaborg, and Kuopio. Fine at some of our own north-western stations, and also over Denmark, the south of Norway, and northern Italy. Rain falling later in nearly all parts of western Europe.

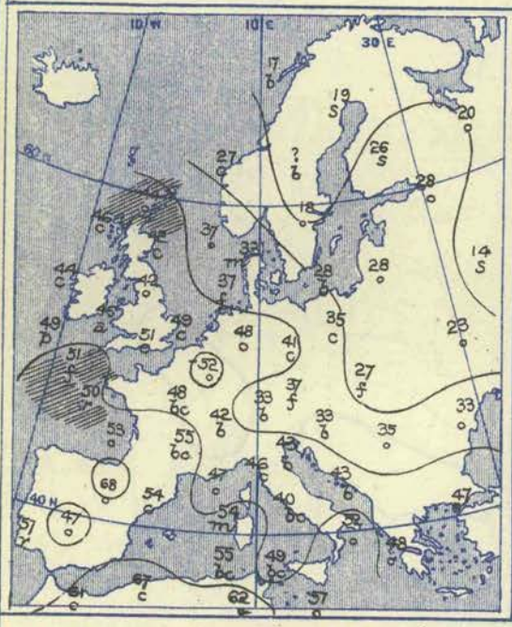
Temperature risen over western and central Europe generally. Morning readings highest, 59° at Algiers and Barcelona, 56° at Malta, and 55° at Lisbon and Sanguinaire; touching 50° on our own extreme south-west coasts. Lowest, 14° at Moscow and Kharkov, 23° at Hernösand, and 24° at Archangel and Karlstad. Rising during day to 55° and upwards in many parts of England and France, to 65° and upwards at many of the Spanish and Mediterranean stations, and to 72° at Biarritz.

Wind Southerly or South-Westerly in the west and south of our Islands, and also over Germany and the northern parts of France, and strong in force on the Irish coasts; South-Easterly in the north and east of our Islands, with a strong gale in the north-east of Scotland; light from the Eastward in the west of Norway. South-Easterly in Russia; variable over Austria and Italy. Gale subsiding later in Scotland; no important change occurring elsewhere.

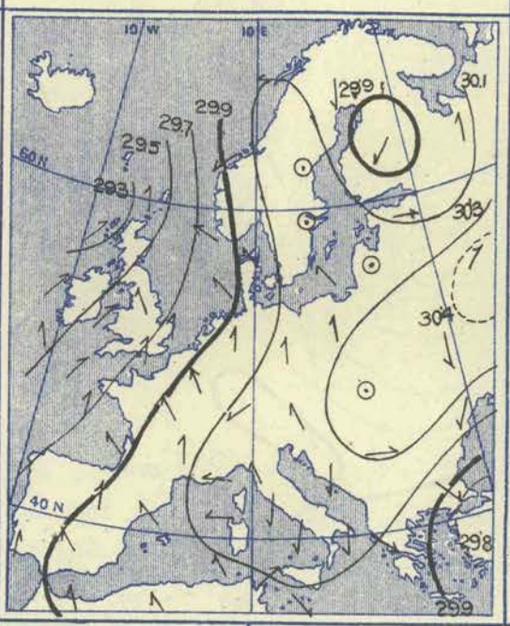
Barometer highest, 30·2 ins. and upwards in an anticyclone over central Russia; 30·0 ins. in another system over Austria, Italy, and the western parts of the Mediterranean. Lowest, 28·9 ins. and less in a well-marked depression off the west of Ireland; 29·0 ins. and less in a shallow disturbance over the southern part of the Gulf of Bothnia; 29·7 ins. and less in another shallow system over Turkey and Asia Minor. Depression off Irish coasts subsequently moving northwards.

Saturday, 24th February.

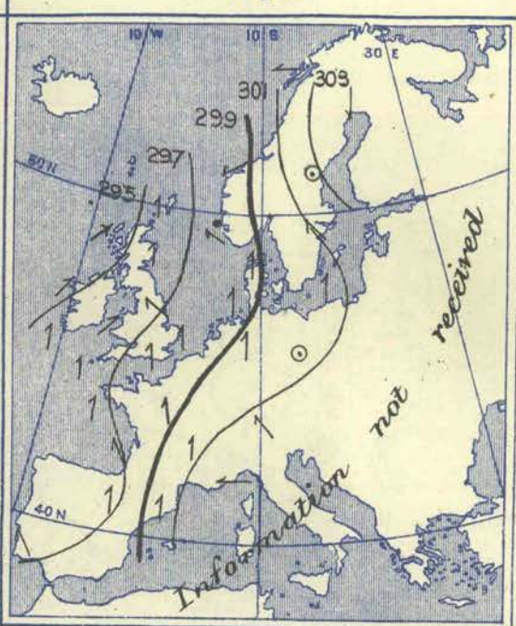
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over nearly the whole of our Islands and the Continent, with slight rain in many parts of England, and fog at the mouths of the English and British Channels; snow reported over Lapland and northern and central Russia. Fine over northern Italy and the eastern and central parts of France. Rain falling later over England, Ireland, and the north of Scotland, as well as at many of the Continental stations; lightning seen at Biarritz.

Temperature risen generally, but fallen over northern Russia and the Baltic. Morning readings highest, 68° at Biarritz, 67° at Algiers, and 64° at Bilbao; above 55° at many of the Mediterranean and Spanish coast stations, and above 50° at some stations in the south of England. Lowest, 14° at Moscow, 16° at Hangö, and 18° at Stockholm; below the freezing point over northern Europe generally. Rising during day to between 50° and 55° in many parts of the United Kingdom, and to 57° in London: exceeding 60° in France, and reaching 79° at Biarritz.

Wind light to moderate from the Southward over our Islands, France and the Spanish Peninsula, and from the South-Eastward on the eastern shores of the North Sea. Calm over central Sweden; variable in Russia and Austria. Northerly over Italy and the Adriatic. Subsequently veering to the South-Westward in the west and north-west of our Islands, and increasing to a moderate gale in the Hebrides; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards over central Russia; 30·1 ins. and upwards in an anticyclone covering the whole of northern, eastern, and central Europe. Lowest, 29·3 ins. and less in a depression off the north-west of Scotland; 29·9 ins. and less in a shallow system over Finland. No important change occurring over western Europe during day.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The weather of this period remained in a very unsettled state over nearly the whole of Europe, with frequent rain in all the more southern countries, and with snow in the north. Barometrical pressure was, as a rule, highest over central Russia, but high also in a separate area lying over Algeria and the southern parts of Spain. Over the north-western and northern countries the weather was affected by depressions which appeared firstly over our Islands, and which afterwards moved on to northern Europe, the most prominent of these being observed on the 19th. In this case the centre of the disturbance moved north-eastwards directly across the United Kingdom, the barometer falling considerably below 29·0 ins. in all districts and reaching a minimum of 28·2 ins. at Shields. The passage of the depression was accompanied by slight gales from South-West or West on our southern coasts and by severe Easterly to Northerly gales in Scotland.

After the middle of the week the Spanish anticyclone threw out an arm or "ridge" over the central countries, and the depressions which continued to arrive from the Atlantic pursued a more northerly course, their centres skirting our extreme western coasts. Southerly winds consequently set in over our Islands, with a gradual rise of temperature, the weather ultimately becoming mild for the time of year. The air was, however, very humid, and rain continued to fall at frequent intervals.

Over southern Europe the weather in the early part of the week was influenced by cyclonic systems which formed over the northern parts of the Mediterranean. Later on, however, these disappeared and some improvement took place in the southern, as well as in some parts of the central countries.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 44.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands	18·7	?	28	?	BRIGHTON	24·3	+ 3·3	34	+ 5
STRATHPEFFER SPA	19·3	+ 1·7	28	+ 2	WORTHING	20·2	?	28	?
EDINBURGH	15·8	+ 0·6	23	+ 1	BOGNOR	23·7*	?	33*	?
MORPETH	17·8	?	25	?	WATERGATE (Emsworth)	16·6	?	23	?
NEWCASTLE-ON-TYNE	13·8	?	20	?	WESTBOURNE (Emsworth)	20·1	- 1·1	28	- 2
OSWALDKIRK (Yorkshire)	16·7	- 0·3	24	0	VENTNOR HOSPITAL	17·9	?	25	?
YORK	15·5	- 0·8	22	- 1	SOUTHPORT	20·6	?	29	?
LOWESTOFT	18·6	?	26	?	RHYL	24·1*	?	34*	?
HOLLESLEY BAY	25·0	?	35	?	COLWYN BAY		?		?
SHEFFIELD	20·6	?	29	?	ABERDOVEY	21·4*	?	30*	?
WORKSOP	17·5	+ 1·5	25	+ 2	TENBY	19·3	- 3·5	27	- 5
THURCASTON (Leicestershire)	15·5	- 0·5	22	- 1	NEWQUAY	14·2	- 7·7	20	-11
MARGATE	20·0	+ 1·4	28	+ 2	TORQUAY	22·4	+ 3·3	31	+ 4
EASTBOURNE	21·8*	+ 2·3	30*	+ 3	GUERNSEY	17·4*	- 6·9	24*	-10

* The values at Westbourne, Bognor, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 9.] *Third Series.* WEEK ENDING SATURDAY, MARCH 3RD, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 50.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	29	44·9	34·7	39·9	2 above	8	+ 1	28	- 7	27	-32	408	+47
	1. SCOTLAND, EAST	54	26	43·2	33·1	38·2	0 (average)	3	- 8	32	- 7	27	-48	432	+44
	2. ENGLAND, N.E.	54	32	43·2	36·0	39·6	0 (average)	3	- 9	22	-10	43	-28	338	- 4
	3. ENGLAND, EAST	57	30	45·8	37·9	41·9	3 above	11	- 5	17	-19	78	- 9	325	-66
	4. MIDLAND COUNTIES	55	32	44·4	38·2	41·7	2 above	7	- 8	18	-17	77	-17	342	-46
	5. ENGLAND, SOUTH	58	29	47·5	39·7	43·7	3 above	22	+ 4	6	-22	124	+15	250	-63
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	25	44·9	35·2	40·1	0 (average)	8	- 3	26	- 1	53	-35	318	+43
	7. ENGLAND, N.W.	54	32	44·1	37·1	40·6	1 above	6	- 6	19	- 8	59	-21	291	+ 5
	8. ENGLAND, S.W.	56	27	46·0	39·3	42·7	1 above	16	- 3	8	-14	143*	+ 4	198*	-34
	9. IRELAND, NORTH	52	26	44·4	36·3	40·4	1 below	7	- 8	22	- 2	75	-43	282	+42
	10. IRELAND, SOUTH	54	25	45·1	37·2	41·2	2 below	9	-14	19	+ 2	137	-42	255	+71
	—CHANNEL ISLANDS	56	36	49 3	42·9	46·1	3 above	29	+ 5	0	-10	258	+64	52	-54

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 50.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	2	8 less	49	+ 3	10·4	- 0·4	16	- 1	22	- 3	103	+21	20	+ 4
	1. SCOTLAND, EAST	4	8	3 more	41	+ 6	7·0	+ 1·4	11	- 9	15	-13	115	+ 3	22	+ 1
	2. ENGLAND, N.E.	6	16	12 more	43	+10	6·8	+ 2·9	9	-12	11	-18	108	- 7	19	- 1
	3. ENGLAND, EAST	6	4	1 more	45	+11	6·8	+ 2·9	13	-11	17	-17	126	-12	21	- 2
	4. MIDLAND COUNTIES	4	7	4 more	41	+ 9	8·0	+ 3·5	2	-18	2	-24	104	- 5	20	- 1
	5. ENGLAND, SOUTH	5	5	1 more	43	+12	8·3	+ 3·3	9	-13	12	-17	127	- 7	21	- 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	7	2 less	45	+ 6	11·5	+ 0·4	15	- 3	20	- 5	123	+21	23	+ 4
	7. ENGLAND, N.W.	4	7	2 more	43	+ 8	8·5	+ 2·8	9	- 9	12	-13	120	+ 5	21	+ 1
	8. ENGLAND, S.W.	4	5	2 less	46*	+10	11·9*	+ 4·2	6	-18	8	-25	148	+ 5	26	0
	9. IRELAND, NORTH	3	3	2 less	48	+ 7	7·4	+ 1·2	8	-11	12	-13	158	+43	29	+ 7
	10. IRELAND, SOUTH	4	7	0 (average)	46	+ 8	8·9	+ 1·2	13	- 8	17	-12	170	+33	31	+ 6
	— CHANNEL ISLANDS	4	5	1 less	51	+11	10·6	+ 4·2	15	- 8	20	-13	143	-30	23	- 5

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather continued unsettled over the Kingdom generally during the first half of the week, and although the rainfall was subsequently less frequent and less heavy than of late, the sky was more cloudy and much gloom prevailed.

Temperature was again above the mean in most parts of England, as well as in Scotland N. and the Channel Islands, but only just equal to the normal in Scotland E. and W. and England N.E., and rather below it in Ireland. The highest of the maxima were recorded during the early days of the week, and ranged from 58° in England S., and 57° in England E., to 50° in Scotland W. The lowest of the minima were registered, as a rule, on March 2nd, when they varied from 25° in Ireland S. and Scotland W., and 26° in Scotland E. and Ireland N., to 32° in the Midland Counties, England N.W. and N.E., and to 36° in the Channel Islands.

Rainfall was less than the mean in Scotland N. and W., England S.W., the Channel Islands, and Ireland N., and just equal to it in Ireland S., but was more in all other districts. In the Midland Counties the excess was considerable, and in England N.E. it was very large.

Bright Sunshine was less than the mean very generally. The percentage of the possible duration ranged from 22 in Scotland N., 20 in Scotland W., and the Channel Islands, to 11 in England N.E., 8 in England S.W., and to 2 in the Midland Counties.

Barometer and Wind.—During the early part of the period a complex depression, which reached our south-west coasts from the south-westward, moved slowly eastwards over England and finally disappeared over Germany. Its progress over our Islands was marked by moderate to fresh North-Easterly to Easterly breezes, but as it travelled away eastwards the wind veered to the northward very generally and became light in force.

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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 49 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	34	42·9	35·4	39·2	+ 1·2	3	24	4	0·11	− 0·59	*	*	*	*
	Stornoway	53	33	46·7	35·4	41·1	+ 2·1	13	27	4	0·19	− 0·69	24·4	+ 5·5	34	+ 7
	Wick	53	33	44·6	36·7	40·7	+ 2·4	7	21	4	0·28	− 0·26	*	*	*	*
	Lairg §	54	29	46·6	32·4	39·5	+ 2·6	13	37	4	0·13	− 0·57	*	*	*	*
	Glencarron §	47	31	42·9	33·5	38·2	+ 1·1	3	30	5	0·42	− 1·01	*	*	*	*
	Fort Augustus §	50	29	44·8	34·4	39·6	+ 0·7	8	29	4	0·27	− 0·65	6·8	− 6·4	9	− 9
	Fort William §	48	30	45·6	34·9	40·3	+ 0·5	10	28	0	0·01‡	− 1·70	21·6	+ 4·3	30	+ 6
1. SCOTLAND E.	Nairn	51	30	43·6	33·3	38·5	− 0·2	4	32	6	0·48	+ 0·01	*	*	*	*
	Aberdeen	51	34	43·1	35·9	39·5	+ 0·9	3	22	6	0·64	+ 0·13	12·6	− 9·4	17	−14
	Braemar §	46	26	39·3	29·5	34.4	− 0·6	0	53	3	0·46	- 0·21	14·8†	− 7·0†	20†	−10†
	Ochtertyre §	54	28	48·1	32·1	40·1	+ 2·1	17	39	2	0·44	− 0·21	*	*	*	*
	Leith	49	31	42·9	33·9	38·4	− 1·6	3	29	3	1·08	+ 0·79	*	*	*	*
	Marchmont §	46	32	41·9	34·0	38.0	+ 0·2	0	28	5	1·95	+ 1·44	7·0	−13·0	10	−18
2. ENGLAND, N.E.	Alnwick Castle	52	32	42·6	34·9	38·8	0·0	2	26	6	2·03	+ 1·55	*	*	*	*
	Durham	54	32	42·6	32·9	37·8	− 0·6	2	33	6	1·80	+ 1·40	9·0	−11·0	12	−16
	Shields	48	34	42.3	35·7	39·0	− 0·6	1	22	6	1·54	+ 1·21	*	*	*	*
	Scarborough ℳ	50	35	43·4	37·8	40·6	+ 0·8	4	16	7	2·00	+ 1·63	?	?	?	?
	Spurn Head	49	36	45·1	38·6	41·9	+ 2·5	9	14	6	0·37	+ 0·12	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	53	32	46·1	37·8	42·0	+ 3·2	11	12	7	0·53	+ 0·17	12·0	− 9·2	16	12
	Yarmouth	53	33	43·0	36·7	39·9	+ 1·2	3	20	7	0·38	+ 0·03	*	*	*	*
	Geldeston	53	31	46·5	37·4	42·0	+ 2·5	13	13	5	0·28	− 0·02	12·9	− 9·2	17	− 14
	Cambridge	57	31	48·6	38·2	43·4	+ 3·4	26	11	5	0·40	+ 0·12	9·4	−11·6	13	− 17
	Felixstowe	55	30	45·1	38·2	41·7	+ 1·5	9	16	5	0·37	?	16·7†	?	22†	?
	Rothamsted	53	32	45·3	39·1	42·2	+ 3·1	14	8	7	0·63	+ 0·25	4·2	−16·8	6	− 23
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	50	33	43·9	37·3	43·6	+ 4·1	31	13	6	0 76	+ 0·48	*	*	*	*
	Loughborough	53	34	44·1	38·7	41·4	+ 1·4	6	13	5	0·55	+ 0·23	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle ℳ	51	33	44·1	36·8	40·5	+ 2·3	6	20	3	0·52	+ 0·05	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	52	33	43·8	28·0	40·9	+ 1·3	5	15	3	0·68	+ 0·31	0·6	?	1	?
	Churchstoke ℳ	49	33	43·2	36·9	40·1	+ 0·8	3	19	3	0·90	+ 0·45	0·3	−19·7	0	− 27
	Hereford (Belmont) ℳ	52	33	43·4	38·7	41·1	+ 1·1	4	13	4	0·98	+ 0·63	*	*	*	*
	Cirencester	54	32	46·1	38·9	42·5	+ 3·5	17	9	4	0·89	+ 0·44	3·1	−18·6	4	− 26
	Oxford	55	32	46·4	40·1	43·3	+ 3·2	17	5	4	0·61	+ 0·26	3·8	−16·3	5	− 22
5. ENGLAND, S.	London	58	34	48·3	40·9	44·6	+ 3·6	23	3	5	0·56	+ 0·26	3·2†	− 9·6†	4†	− 13†
	Cranley ℳ	56	30	48·9	40·9	44·9	+ 3·9	25	3	6	0·56	+ 0·16	*	*	*	*
	Dungeness	55	29	47·6	40·6	44·1	+ 4·1	21	4	5	0·13	− 0·19	14·7	?	20	?
	Hastings (St. Leonards)	55	31	47·1	38·5	42·8	+ 2·3	20	10	6	0·29	− 0·11	9·6	−15·4	13	− 20
	Southampton	58	29	49·6	40·5	45·1	+ 3·3	28	4	4	0·46	+ 0·01	4·8	−18 1	6	− 26
	Portland Bill	51	30	46·4	38·3	42·4	+ 0·2	18	10	4	0·38	?	*	*	*	*
	Shaftesbury ℳ	54	29	44·9	38·4	41·7	+ 1·9	8	15	4	0·75	+ 0·23	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	50	25	45·9	33·0	39·5	− 0·9	11	35	1	0·02	− 1·40	*	*	*	*
	Glasgow	47	30	42·9	35·0	39·0	− 0·2	3	25	2	0 36	− 0·24	12·3	− 1·9	17	− 3
	Glenlee §	49	25	46·6	35·9	41·3	+ 2·1	13	25	2	0·90	+ 0·02	*	*	*	*
	Douglas (Isle of Man)	49	34	44·1	36·7	40·4	− 0·4	6	20	3	1·29	+ 0·69	16·8	− 5·2	23	− 7
7. ENGLAND, N.W.	Newton Reigny	48	32	42·9	33·9	38·4	− 0·1	3	29	4	0·97	?	9·5	?	13	*?
	Stonyhurst	53	34	44·4	36·9	40·7	+ 1·7	7	20	3	0·31	− 0·42	12·5	− 6·0	17	− 8
	Blackpool ℳ	54	35	46·2	36·6	41·4	+ 2·0	12	22	3	0·88	+ 0·48	9·9	− 8·6	13	− 13
	Manchester (Prestwich)	54	35	44·4	37·4	40·9	+ 1·9	7	18	3	0·51	+ 0·06	3·0	?	4	?
	Liverpool Obsy. (Bidston)	49	34	44·1	37·7	40·9	− 0·1	6	17	4	0·62	+ 0·32	6·6	?	9	?
	Llandudno ℳ	47	37	43·5	38·6	41·1	− 0·8	4	20	4	0·81	+ 0·41	6·8	- 13·6	9	− 19
	Holyhead	45	36	43·0	38·4	40·7	− 1·3	3	13	4	0·42	− 0·08	*	*	*	*
8. ENGLAND, S.W.	Llandovery	56	29	46·6	36·4	41·5	+ 0.9	13	23	4	0·31	− 0·51	*	*	*	*
	Pembroke	51	35	44·4	40·0	42·2	0·0	10	6	5	0·60	+ 0·08	4·9	− 19·3	7	− 26
	Clifton	53	33	45·5	40·5	43·0	+ 1·6	13	4	4	0.70	+ 0·22	*	*	*	*
	Arlington (N. Devon)	55	29	45·0	37·6	41·3	+ 0·3	8	18	4	0·37	− 0·56	*	*	*	*
	Cullompton ℳ	53	27	46·5	40·3	43·4	+ 1·2	17	5	4	0·40	− 0·30	1·9	− 19·9	3	− 27
	Falmouth	54	32	47·4	40·2	43·8	0·0	20	5	5	0·30	− 0·60	7·2	− 17·6	10	− 23
	Plymouth	54	31	46·9	40·2	43·6	+ 1·1	19	5	5	0·70	+ 0·14	10·0	− 14·3	13	− 20
9. IRELAND, N.	Malin Head	51	38	44·1	39·3	41·7	− 0·3	6	11	3	0·28	?	*	*	*	*
	Londonderry	49	33	45·6	35·7	40·7	− 0·7	10	25	4	0·39	− 0·12	*	*	*	*
	Edenfel (Omagh)	45	31	42·9	34·6	38·8	− 0·7	3	27	4	0·16	− 0·34	*	*	*	*
	Blacksod Point	52	30	45·1	37·9	41·5	− 1·5	9	17	3	0·34	?	*	*	*	*
	Markree Castle	51	26	46·0	34·1	40·1	− 0·3	11	31	3	0·12	− 0·54	11·5	− 7·5	16	−10
	Armagh	49	31	43·3	34·8	39·1	− 0·9	4	26	3	0·40	− 0·17	5·0	−13·5	7	− 18
	Donaghadee	46	34	43·9	37·4	40 7	− 0·3	5	18	4	0·50	+ 0·08	*	*	*	*
10. IRELAND, S.	Dublin	48	37	44·5	39·0	41·8	− 0·4	7	13	4	1·02	+ 0·59	8·7	−12·4	12	−17
	Parsonstown	53	33	44·1	35·4	39·8	− 1·2	6	25	3	0·48	+ 0·01	7·0	−13·0	9	− 18
	Kilkenny	52	35	44·1	37·9	41·0	− 1·3	6	16	4	0·47	− 0·03	*	*	*	*
	Roche's Point	50	37	46·1	39·7	42·9	− 0·7	16	6	4	0·64	− 0·23	*	*	*	*
	Valencia	54	33	46·9	38·6	42·8	− 2·0	20	10	3	0·97	− 0·11	22·1	− 0·3	29	− 2
	Killarney	52	25	45·6	34·1	39·9	− 4·1	10	31	4	0·42	?	*	*	*	*
	Foynes	48	32	44·3	36·0	40·2	− 2·3	6	23	3	0 75	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	37	48·6	42·6	45·6	+ 0·1	25	0	3	0·55	− 0·01	7·1	?	9	?
	Jersey	56	36	49·9	43·1	46·5	+ 3·0	32	0	4	0·37	− 0·15	18·2	− 9·5	24	− 14

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

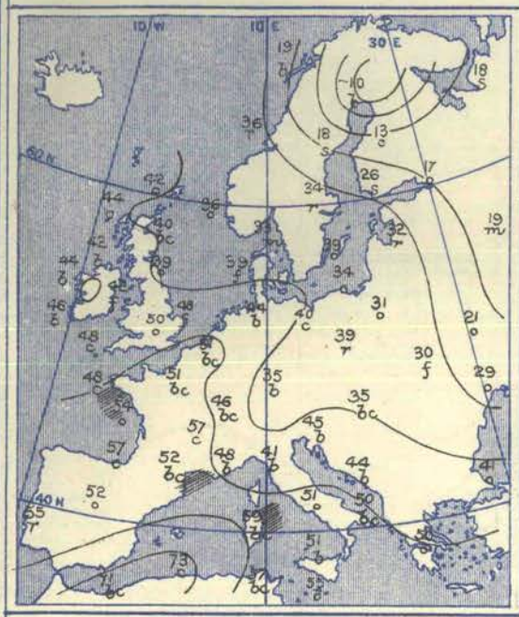
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

‡ Wet Fog.

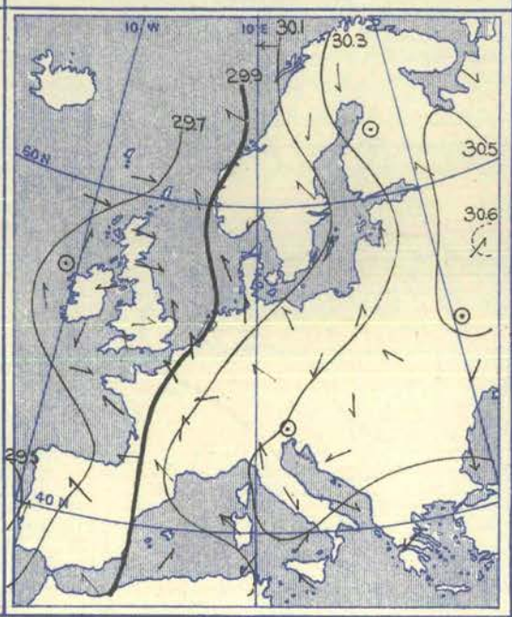
Note.—The bright sunshine values entered to Dungeness are recorded at Littlestone and those entered to Liverpool at Hoylake.

Sunday, 25th February.

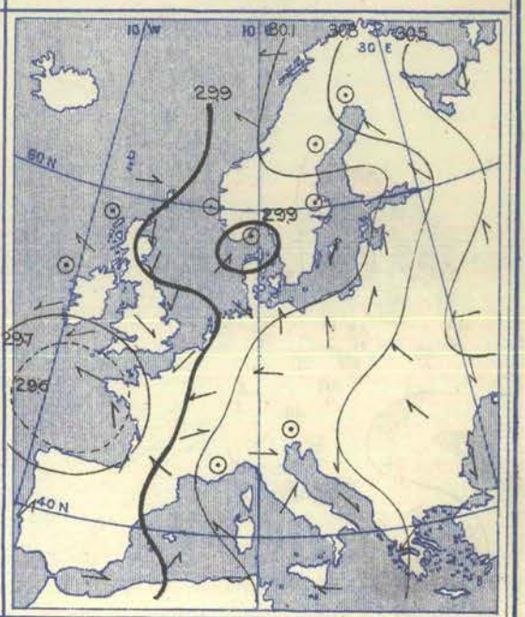
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine (1) over the Mediterranean and south-eastern Europe, as well as over Lapland, and in many parts of the British Islands, the Netherlands, and north-east of France; dull elsewhere; rainy and unsettled in Portugal. Rain falling later in the west of France, and in considerable quantities on our south-west coasts, also in several parts of Scandinavia; snow at Faerder and Karlstad.

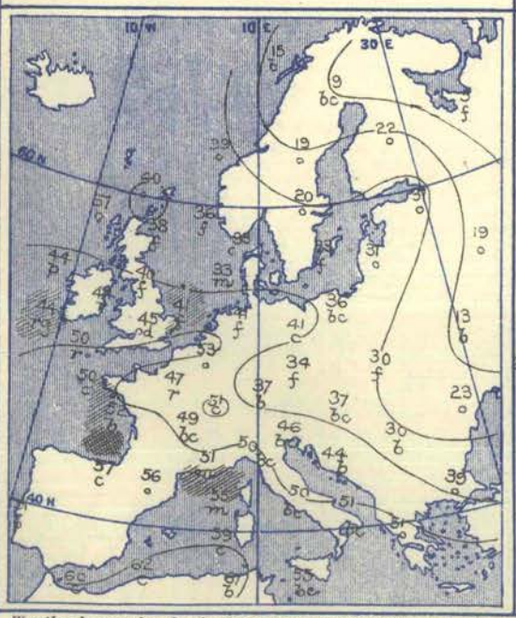
Temperature in morning highest, (1) 73° at Algiers, 71° at Nemours, 57° at Barcelona, 55° at Lisbon, 57° to 50° in the south-west and west of France; (2) 50° at Jersey, 48° at Scilly, 46° at Valencia. Lowest, (1) −13° at Uleaborg, +17° at St. Petersburg, 19° at Moscow; (2) 6° at Kharkov, and below 32° in Poland and eastern Germany. Rising later to 55° or more over the southern parts of our Islands, to 63° at Brussels, Munich, and Cagliari, to 68° at Lyons, 75° at Biarritz, and to between 85° and 90° on the Algerian coast.

Wind was mainly Northerly over the north of Russia and the Baltic; very variable and light over France and the British Isles; South-Easterly to Southerly, strong and increasing, over Portugal and Spain. Increasing in force later from South-East and East on the French coasts and the south of our Islands, and becoming more generally Easterly in England and Ireland.

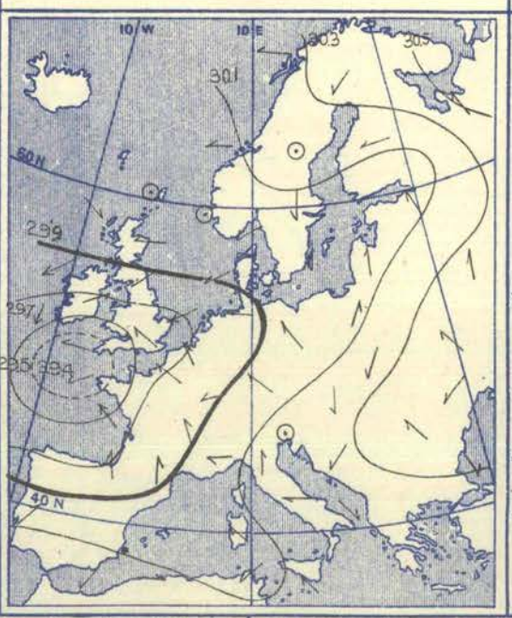
Barometer highest, 30·63 ins. at Moscow, and exceeding 30·3 ins. all over Russia and south-eastern Europe. Lowest, 29·5 ins. and less off the south of Portugal, and below 29·7 ins. off our own north-western coasts. Some additional disturbance forming over the Sound. Depression appearing later over the Bay of Biscay, and advancing north-north-eastwards; the secondary over Denmark becoming more pronounced.

Monday, 26th February.

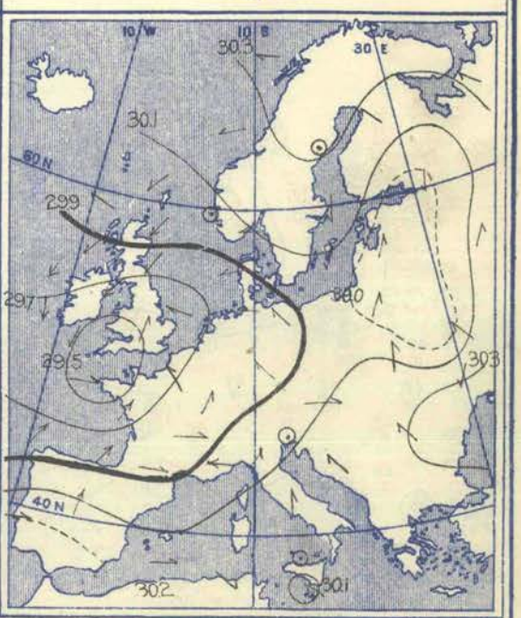
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the extreme north of Europe; dull, changeable, and unsettled over our Islands and France, with rain in many places. Much rain later in many parts of Ireland, Scotland, and the north-east of England, and a considerable fall still later in London and at Rochefort; lightning seen at Aberdeen at night.

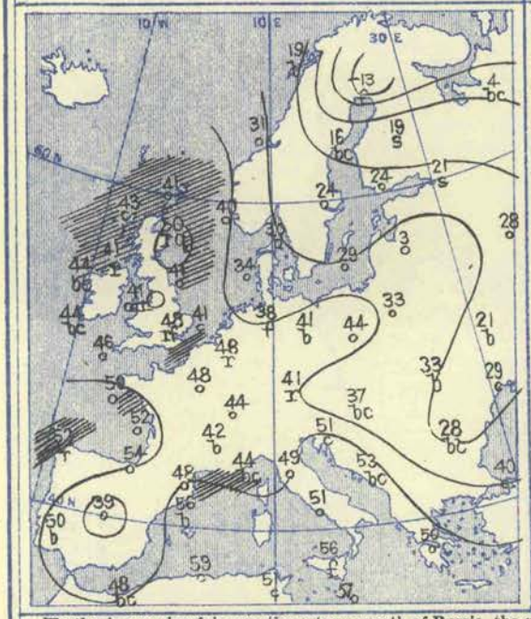
Temperature giving way at our northern and western stations, but not over our south-eastern counties, Belgium, and the north-east of France. Morning readings highest, 67° at La Calle, 62° at Algiers, 57° at Lisbon and Biarritz, 53° at Brussels, 50° at Brest and Scilly, and above 40° all over Ireland and England. Lowest, (1) 5° at Archangel, 9° at Haparanda, 15° at Bodö, 29° at Stockholm; (2) 13° at Lemberg, 14° at Warsaw, 30° at Cracow, 37° at Munich; (3) 34° at Nairn, 37° at Stornoway, 38° at Aberdeen. Rising later to 61° at Brussels, 58° in London; remaining below 50° in Ireland.

Wind (1) Northerly to North-Easterly all over northern Europe, Easterly to North-Easterly over our Islands (rather strong in the west); (2) Southerly and South-Easterly all over France and western Germany, and blowing strongly at the western coast stations. Becoming still stronger in Scotland and parts of Ireland later, but shifting to the Southward very generally in the south-east of England, and to South-West in the south-west of France.

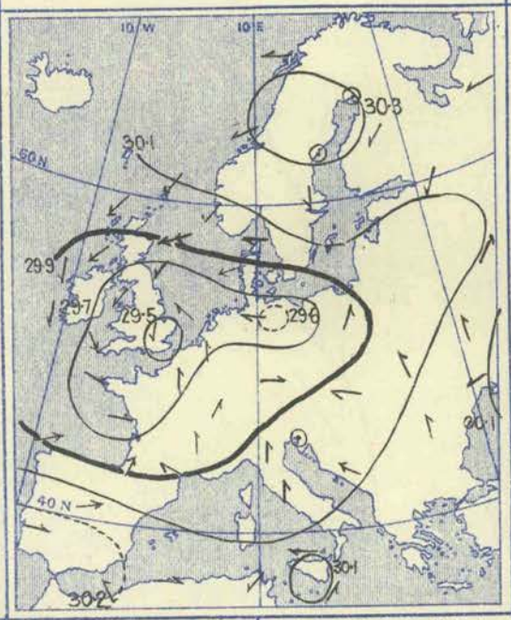
Barometer highest, (1) 30·58 ins. at Archangel, 30·45 ins. at Moscow, and exceeding 30·0 ins. all over northern Europe, Russia, and most of Germany; 30·1 ins. and more to 30·9 ins. over Algeria and the south of Spain. Lowest, (1) below 29·4 ins. in a depression off the mouth of the Channel, and below 29·9 ins. in a shallow "hollow" over the Baltic. Depression in south-west moving north-eastwards later; barometer rising in south-west of France.

Tuesday, 27th February.

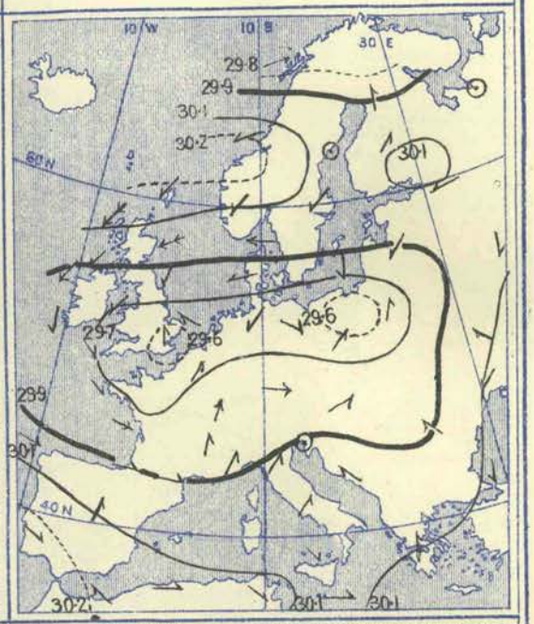
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the extreme north of Russia, the greater part of Scandinavia, the extreme north of Scotland, and the west of Ireland, also over the south of Spain, Algeria, Tunis, the Mediterranean, and south-eastern Europe. Rainy and unsettled over Ireland, England, France, and south Germany; dull and unsettled over central Europe. Rain later over Ireland, England, and some parts of Spain and France, as well as over Scandinavia and many parts of Germany; lightning at Biarritz.

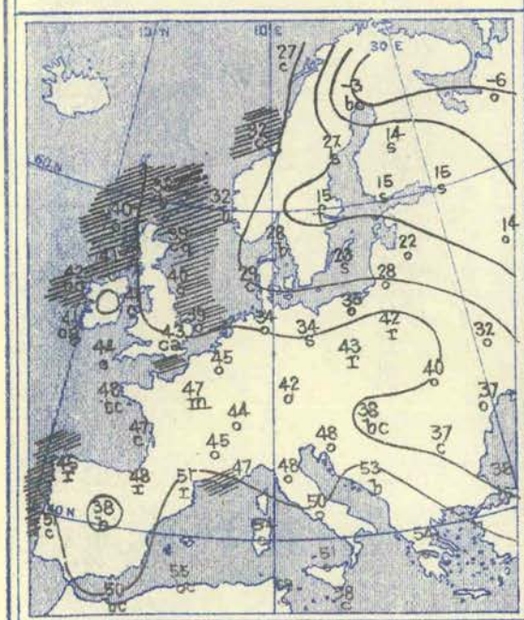
Temperature falling over the northern countries; rising over central Europe. Morning readings highest, 59° to 50° over the Mediterranean and Adriatic, 54° at Biarritz, 52° at Rochefort; 47° to 44° on the southern and south-western coasts of the British Isles, 43° at Stornoway. Lowest, (1) −13° at Haparanda, +19° at Kuopio, 22° at Helsingfors; (2) 4° at Kharkov, 21° at Kiev, 33° to 40° and more over central Europe; (3) 38° in the east of Scotland; gradually decreasing over our Islands later.

Wind (1) Easterly, light to strong, over the Baltic, the northern countries of Europe, and Scotland (a gale at Aberdeen), Northerly in Ireland, Westerly to Southerly in France, Westerly over Spain, Southerly over southern Russia; (2) Southerly over the south-east of England. Becoming Northerly more generally over England later, and increasing from South in parts of Germany.

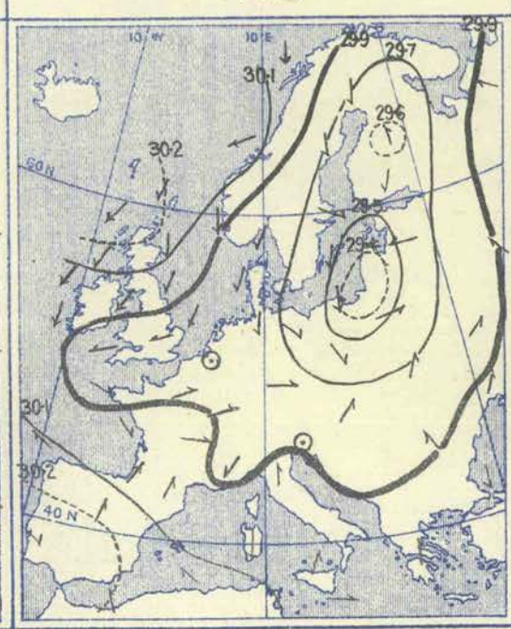
Barometer highest, (1) 30·3 ins. and more over the north of Sweden and west of Finland, and exceeding 29·8 ins. all over Scandinavia, Scotland, and the west of Ireland; (2) 30·2 ins. and more over Morocco and the south of Spain, and exceeding 29·8 ins. all over the Iberian Peninsula, the Mediterranean, and south-eastern Europe. Lowest, 29·5 ins. and less over our south-east counties; below 29·6 ins. over England; 29·6 ins. and less over the north-west of Germany. Rising later over the north-west and north of our Islands; giving way over France.

Wednesday, 28th February.

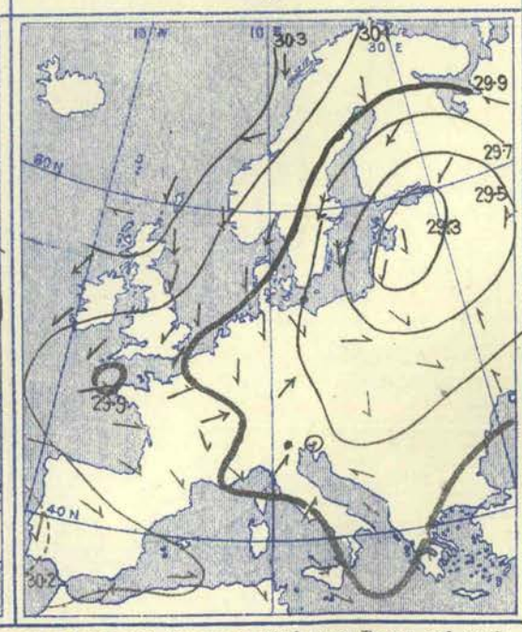
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright (1) over Algeria, eastern Spain, and the Mediterranean, (2) over Lapland, Norway, and the extreme north of our Islands; cloudy or overcast elsewhere, with rain in several parts of the United Kingdom, the north of Spain, and south-west of France; rain and snow in various parts of Germany, north-west Russia, Finland, and Sweden. Much rain at Munich later; small quantities in the north-east and east of our Islands, and sporadic showers in the west and north-west.

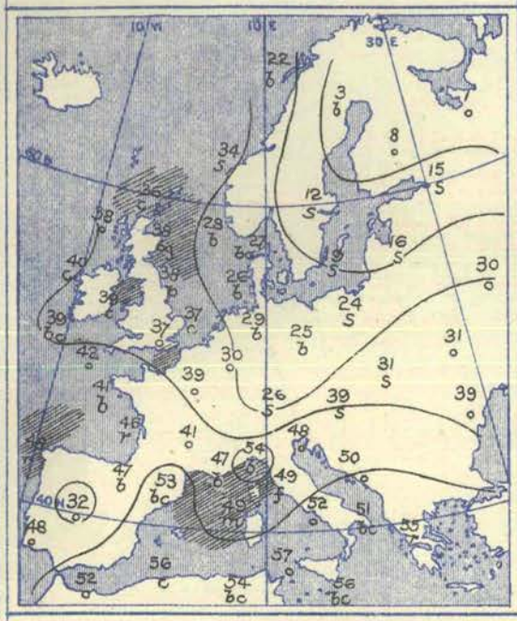
Temperature falling decidedly over northern Russia, and slowly over our Islands; risen over the south of Russia and central Europe. Morning readings highest, 55° to 50° at the stations in Algeria and Tunis, 56° at Barcelona, 51° at Palermo, Perpignan, and Lisbon, 48° at Biarritz and Brest; above 40° over the western and southern parts of our Islands. Lowest, −6° Fahr. at Archangel, −3° at Haparanda, +14° to 16° over Russia, 26° at Faerder, 38° to 39° in the north-eastern and central parts of England. Failing to reach 45° over the greater part of our Islands later, but touching 55° at Jersey, 57° at Lorient, and 59° at Perpignan.

Wind (1) North-Easterly over our Islands and Norway, Westerly over France and south Germany, Northerly, strong, over north Germany and the Baltic, South-Westerly to South-Easterly, light, over Russia; (2) South-Easterly also in the north of Portugal, very variable over the Mediterranean. Rising later to a gale from North over the Baltic, but moderating considerably at our own western and northern stations.

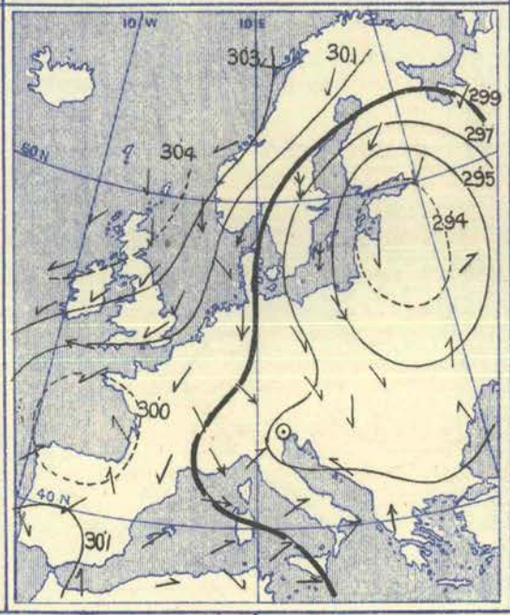
Barometer highest, (1) 30·28 ins. at Stornoway, and exceeding 30·0 ins. at our northern stations and in Norway; (2) 30·2 ins. and more over the southern half of the Spanish Peninsula, and exceeding 30·0 ins., not only at Biarritz and Perpignan, but also in the south of Russia. Lowest, 29·4 ins. and less in a depression over north Germany, and below 29·8 ins. in secondaries over the north-east of France and at the mouth of the Channel. German depression moving northwards later, but secondaries over Channel moving southwards.

Thursday, 1st March.

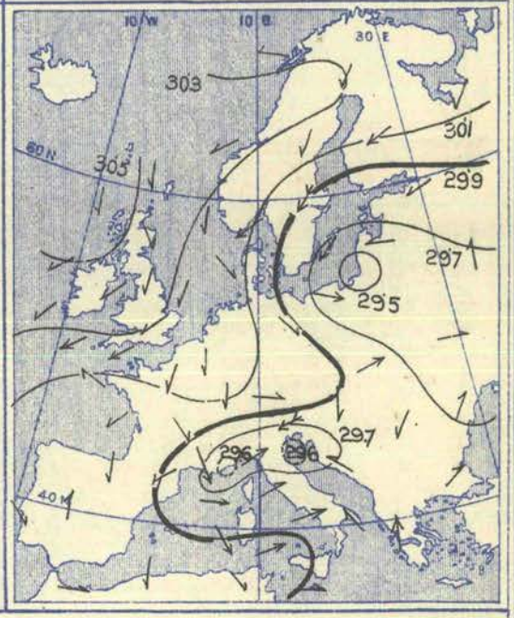
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very rough and wild over western Russia, the Baltic, and Germany, with snow in a great many places; fair and improving over the greater part of our Islands, but still slightly showery at some of our eastern stations, and also at Rochefort. A little cold rain and sleet later in parts of Norway and the north and east of Great Britain, and some rain in the south-west of France, but, on the whole, the weather over the British Islands remained fair.

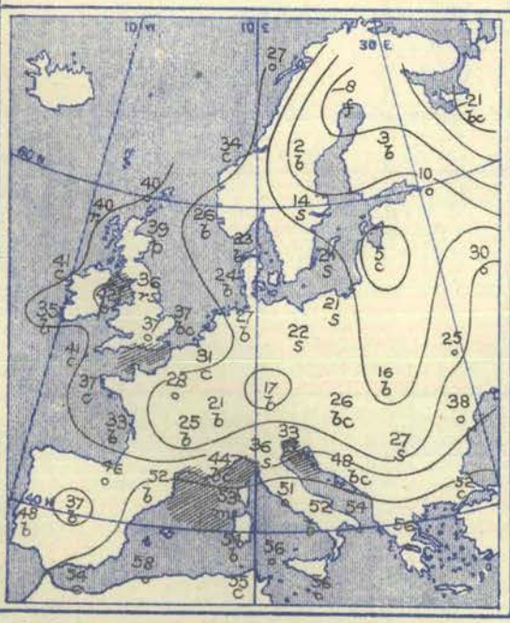
Temperature highest, 59° to 50° over Algeria and Malta, 48° at Corunna, 47° to 41° in the west and north-west of France, 42° at Scilly, 40° in the north of Ireland. Lowest, 1° Fahr. at Archangel, 3° to 8° over Finland, 16° at Riga, 23° to 29° over Germany, 36° to 39° over Great Britain, 37° at Parsonstown. Not exceeding 45° over the greater part of our Islands all day; remaining low over northern and central Europe, but rising to 50° at Brest, 59° at Rochefort, 61° at Perpignan.

Wind (1) Northerly, a strong gale, over the Baltic, and a strong to moderate breeze over Germany; (2) North-Easterly, moderate to fresh, over our Islands and the Bay of Biscay; (3) North-Westerly to Westerly over the Baltic; (4) Southerly to South-Westerly over Russia and south-eastern Europe. The gale veering to North-East at Stockholm later. Wind over our Islands remaining moderate.

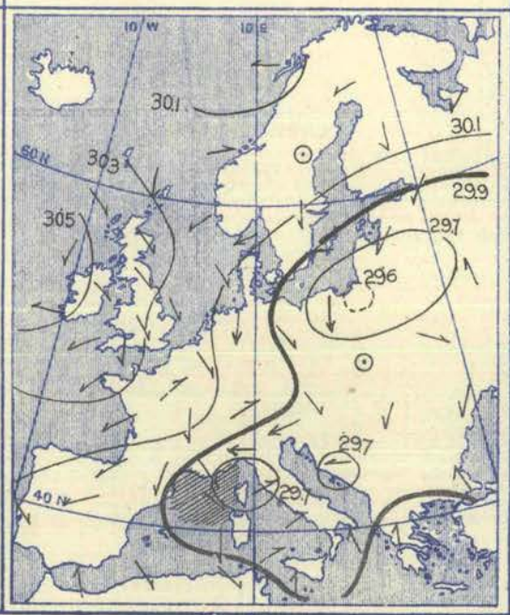
Barometer highest, (1) 30·49 ins. at Stornoway, and 30·4 ins. and more to 30·1 ins. over the whole of the British Isles and Norway; (2) exceeding 30·1 ins. over Morocco and the south-west of the Spanish Peninsula. Lowest, (1) 29·4 ins. and less in a depression over the west of Russia and the Gulf of Riga; (2) 30·0 ins. and less in a shallow disturbance over the Bay of Biscay. Still rising in our Islands later, but inclined to give way over Scandinavia.

Friday, 2nd March.

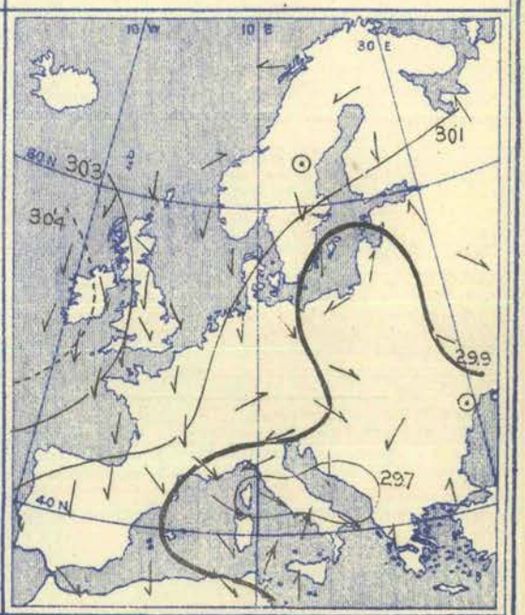
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy over our Islands, with showers in several places; clear over the extreme north of Europe, central France, south Germany, and the greater part of the Mediterranean. Very unsettled over the north of Italy, north Germany, and the Baltic, with snow in many places—even at Florence. Some rain later in the north and north-west of the British Isles, and locally in some parts of Scandinavia, in England, the south of France, and south Germany.

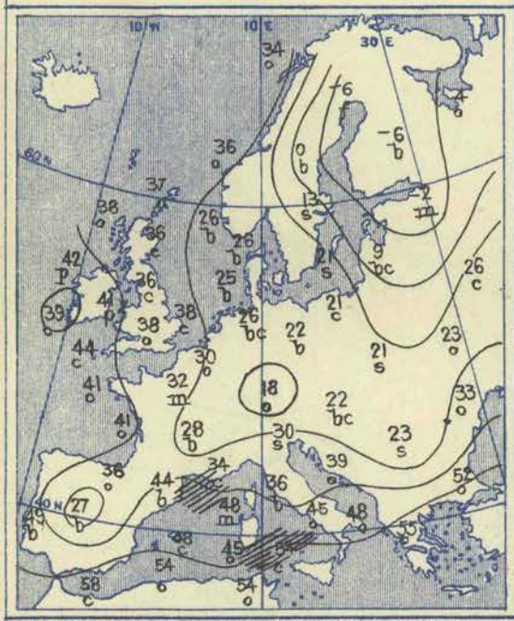
Temperature fallen in most parts of Europe, especially over France and Finland. Morning readings highest, (1) 58° to 50° over Algeria, Malta, and Sicily; (2) 48° at Lisbon, 46° at Biarritz, 41° at Scilly and Blacksod Point, 40° at Sumburgh Head. Lowest, (1) −21° Fahr. at Archangel, −8° at Haparanda, +3° at Kuopio, 10° at Helsingfors, 14° at Riga, 21° at Swinemunde; (2) 36° at Florence, 37° at Pesaro. Not touching 50° in our Islands later, nor reaching 30° at most German stations. Maximum at Nice only 46°.

Wind (1) Easterly to Northerly over northern Europe, and blowing strongly at the Baltic stations; Northerly to Westerly over Germany; (2) Northerly over the British Islands and their neighbourhood—moderate in force; (3) a well-formed cyclonic circulation of strong to moderate winds over the north-eastern parts of the Mediterranean, Italy, and the Adriatic. A South-Westerly air reported at Christiansund.

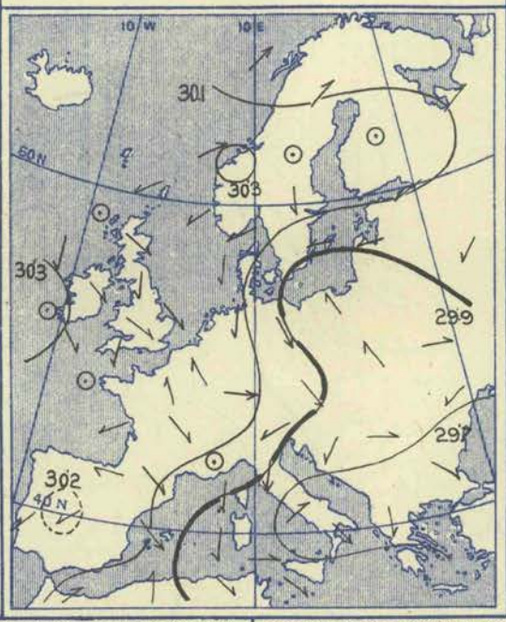
Barometer highest, 30·5 ins. and more in the west of Ireland; exceeding 30·2 ins. all over our Islands and the north and west of France, and in a narrow ridge stretching eastwards across Scandinavia to Finland and the north of Russia. Lowest, 29·6 ins. and less in various depressions lying over the north of the Mediterranean, the Adriatic, and north Germany. Falling over the British Islands all day—the western anticyclone apparently giving way.

Saturday, 3rd March.

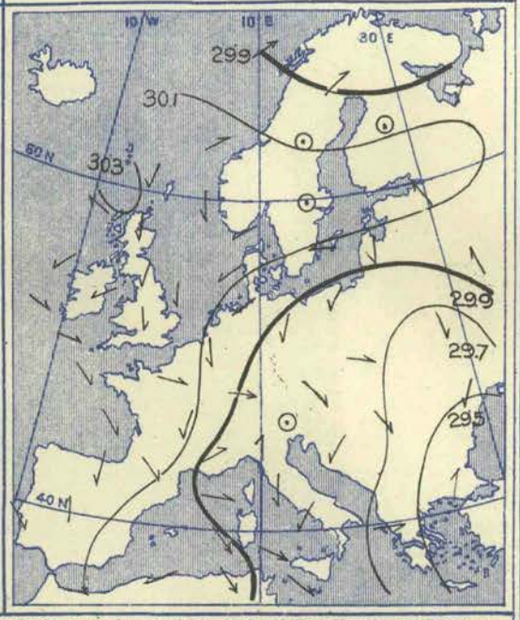
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the Mediterranean and some parts of northern Europe; fair, but dull, over the British Islands, and rather rainy in a few places; unsettled, but improving over the Baltic and central Europe, with snow in many localities. Not much snow later over central Europe, and that only sporadically, and very little rain in our Islands. Sky clearing somewhat (locally) in the west.

Temperature decreasing over northern, central, and southern Europe, and inclined to give way in Scotland; recovering a little over France. Morning readings highest, (1) 58° to 54° over Algeria, Malta, and on the coast of Sicily; 45° at Sanguinaire and Palermo, 49° at Lisbon; (2) 44° at Scilly, 41° at Brest, Jersey, and Holyhead, 40° at Malin Head. Lowest, −6° Fahr. at Uleaborg and Knopio, +9° at Riga, 26° at Moscow, 11° at Warsaw, 16° at Cracow, 18° at Breslau and Munich; 20° to 23° at many of the German and Austrian stations. Rising later to between 40° and 45° over our northern districts, to rather more in the south-west and in the northern half of France, but to only 34° at Lyons, and not touching even 20° in some parts of Germany.

Wind (1) North-Easterly to Northerly over the southern parts of Scandinavia and Finland, Northerly in north Germany, Westerly to North-Westerly over southern Germany and Austria, Northerly over the Mediterranean; (2) Northerly to North-Westerly, very light to moderate, over the British Isles, and variable over France.

Barometer in morning highest, 30·3 ins. to 30·0 ins. over the British Isles, and in a ridge extending from Scotland over Scandinavia, and exceeding 30·2 ins. over central Spain. Lowest, 29·7 ins. and less over south-eastern Europe, and below 30·0 ins. over the whole of Italy, southern Russia, Poland, and eastern Germany. Continuing to fall over France and the southern half of our Islands during day, but rising in the north and over Scandinavia.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The week commenced with high pressure both over southern and northern Europe, and a depression moving north-eastwards towards the mouth of the English Channel, while a hollow extended north-eastwards from north Germany over the Baltic. Rainy weather had become general except over the Shetlands and Scandinavia, but temperature in our neighbourhood did not differ much from the average value for the time of year. The depression which moved from the south-westward to the south-east of England became shallower, but more complex and filled-up, but a definite depression formed over Germany and moved north-eastwards to western Russia.

The weather over the British Islands became drier slowly and temperature fell gradually, so that by the latter part of the week the maximum daily readings did not much exceed 45° in any part of our Islands, and those over northern, central, and southern Europe were much lower. On Wednesday and Thursday hard Northerly gales were prevalent over the Baltic.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 50.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	16·1	?	23	?	BRIGHTON	8·5	−15·3	11	−21
STRATHPEFFER SPA	10·2	−9·8	14	−15	WORTHING	8·1	?	11	?
EDINBURGH	9·8	−7·5	13	−10	BOGNOR	8·5*	?	11*	?
MORPETH	12·6	?	17	?	WATERGATE (Emsworth)	4·6	?	6	?
NEWCASTLE-ON-TYNE	9·6	?	13	?	WESTBOURNE (Emsworth)	9·5*	−15·0	13*	−19
OSWALDKIRK (Yorkshire)	7·7	−11·7	10	−16	VENTNOR HOSPITAL	8·2	?	11	?
YORK	3·6	−15·2	5	−21	SOUTHPORT	11·0	?	15	?
LOWESTOFT	13·8	?	18	?	RHYL	6·9*	?	9*	?
HOLLESLEY BAY	18·7	?	25	?	COLWYN BAY	8·6	?	12	?
SHEFFIELD	0·5	?	1	?	ABERDOVEY	12·0*	?	16*	?
WORKSOP	1·4	−16·8	2	−23	TENBY	5·4	−20·2	7	−28
THURCASTON (Leicestershire)	3·1	−14·8	4	−21	NEWQUAY	5·6	−19·0	7	−27
MARGATE	19·0	−2·1	25	−4	TORQUAY	6·9	−15·2	9	−21
EASTBOURNE	9·7	−12·6	13	−18	GUERNSEY	19·2*	−7·9	26*	−11

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 10.] *Third Series.* WEEK ENDING SATURDAY, MARCH 10TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 56.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	50	26	44·3	33·0	38·5	0 (average)	6	− 2	32	− 3	33	−34	440	+44
	1. SCOTLAND, EAST	55	20	44·1	31·6	37·7	1 below	6	− 6	37	− 1	33	−54	469	+43
	2. ENGLAND, N.E.	48	26	42·1	35·4	38·7	1 below	0	−13	23	− 8	43	−41	361	−12
	3. ENGLAND, EAST	58	29	43·0	33·5	38·1	2 below	3	−15	29	− 6	81	−24	354	−72
	4. MIDLAND COUNTIES	57	28	42·4	34·6	38·4	2 below	1	−16	25	− 9	78	−33	367	−55
	5. ENGLAND, SOUTH	57	31	43·9	35·6	39·6	2 below	5	−15	23	− 4	129	0	273	−67
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	49	26	44·2	33·0	38·5	2 below	6	− 6	32	+ 5	59	−41	350	+48
	7. ENGLAND, N.W.	53	27	42·9	35·3	39·0	2 below	3	−10	23	− 3	62	−31	314	+ 2
	8. ENGLAND, S.W.	55	28	44·2	35·1	39·5	3 below	6	−14	25	+ 3	149	−10	223	−31
	9. IRELAND, NORTH	49	24	43·7	34 7	39·0	2 below	5	−11	25	+ 2	80	−54	307	+44
	10. IRELAND, SOUTH	51	27	45·4	35·3	40·2	3 below	10	−13	25	+ 8	147	−55	280	+79
	—CHANNEL ISLANDS—	53	37	46·4	38·5	42·4	2 below	18	− 6	10	+ 1	276	+58	62	−53

Rainfall.

	DISTRICTS. (See p. 56.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	1	less than ½	9 less	50	− 1	10·2	− 1·3
	1. SCOTLAND, EAST	1	less than ½	5 less	42	+ 3	7·0	+ 1·0
	2. ENGLAND, N.E.	1	1	3 less	44	+ 7	6·9	+ 2·7
	3. ENGLAND, EAST	2	1	3 less	47	+10	6·9	+ 2·7
	4. MIDLAND COUNTIES	1	1	3 less	42	+ 7	8·1	+ 3·2
	5. ENGLAND, SOUTH	1	1	3 less	44	+ 9	8·1	+ 3·0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	0	—	8 less	45	+ 2	11·5	− 0·4
	7. ENGLAND, N.W.	0	—	5 less	43	+ 4	8·5	+ 2·3
	8. ENGLAND, S.W.	2	2	5 less	48	+ 8	12·1	+ 3·7
	9. IRELAND, NORTH	0	—	5 less	48	+ 3	7·4	+ 0·7
	10. IRELAND, SOUTH	1	less than ½	6 less	47	+ 5	8·9	+ 0·6
	— CHANNEL ISLANDS—	3	3	2 less	54	+ 9	10·9	+ 4·0

Bright Sunshine.

	DISTRICTS. (See p. 56.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	19	+ 1	25	0	122	+23	21	+ 4
	1. SCOTLAND, EAST	18	− 4	24	− 5	133	0	22	0
	2. ENGLAND, N.E.	9	−13	12	−16	117	+19	18	− 3
	3. ENGLAND, EAST	20	− 9	26	−12	146	−21	21	− 3
	4. MIDLAND COUNTIES	7	−14	9	−19	111	−19	19	− 3
	5. ENGLAND, SOUTH	15	− 7	18	−11	142	−15	21	− 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	13	− 7	17	−10	136	+14	22	+ 2
	7. ENGLAND, N.W.	8	−14	10	−19	128	− 8	20	− 1
	8. ENGLAND, S.W.	6	−20	7	−28	154	−16	24	− 2
	9. IRELAND, NORTH	11	− 9	14	−12	169	+34	27	+ 5
	10. IRELAND, SOUTH	10	−13	13	−18	180	+20	29	+ 4
	— CHANNEL ISLANDS—	6	−22	8	−29	149	−52	21	− 8

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was very quiet and dry generally, although much cloud prevailed and slight rain was experienced at our northern and eastern stations during the earlier days of the week, and rain in the extreme S.W. and S. towards the end of the period.

Temperature was rather below the mean generally, but just equalled that value in Scotland N. The highest of the maxima were recorded on the 10th over England and the greater part of Ireland, but on the 7th at many of the Scotch stations. They ranged from 58° in England E., and 57° in England S. and the Midland Counties, to 49° in Scotland W. and Ireland N., and 48° in England N.E. The lowest of the minima, which occurred on rather irregular dates, ranged from 20° in Scotland E., and from 24° in Ireland N. to 31° in England S., and to 37° in the Channel Islands.

Rainfall was less than the mean in all districts; in many parts of the Kingdom rain was entirely absent.

Bright Sunshine was deficient in all districts except Scotland N. The percentage of the possible duration ranged from 26° in England E. and 25 in Scotland N., to 9° in the Midland Counties, and 8° in England, S.W. and the Channel Islands.

Barometer and Wind.—The distribution of barometric pressure over our Islands was mainly anticyclonic, the only depressions in our neighbourhood being observed to the south-westward and in the far north. The winds experienced over the United Kingdom were at first Northerly in the north, and North-Easterly in the south, and light or moderate in force. Later in the week, however, they veered temporarily to East and South-East in the south and south-west, and blew freshly, while those in the north backed to the Westward or South-Westward. The day-temperatures increased, but nights were still cold.

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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 55 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	47	33	43·7	36·4	39·9	+ 2·0	5	20	3	0·07	− 0·59	*	*	*	*
	Stornoway	48	29	45·6	34·1	39·7	+ 0·8	10	29	2	0·04	− 0·82	13·9	− 6·0	18	−10
	Wick	48	32	44·3	34·3	39·2	+ 0·5	6	28	2	·06	− 0·44	*	*	*	*
	Lairg Ş	50	29	44·3	32·3	38·3	+ 1·2	6	36	1	0·02	− 0·68	*	*	*	*
	Glencarron Ş	44	26	42·3	31·2	36·6	− 0·7	1	37	1	0·06	− 1·36	*	*	*	*
	Fort Augustus Ş	49	27	45·0	30·7	37·6	− 1·3	8	40	0	—	− 0·83	21·8	+ 7·3	28	+ 9
	Fort William Ş	46	29	44·6	32·1	38·2	− 1·6	7	35	0	—	− 1·55	27·5	+ 8·8	36	+11
1. SCOTLAND E.	Nairn	48	30	44·4	34·6	39·4	+ 0·5	7	27	1	0·01	− 0·44	*	*	*	*
	Aberdeen	45	31	42·9	34·4	38·5	− 0·4	3	26	3	0·03	− 0·47	13·1	−10·5	17	−15
	Braemar Ş	43	20	40·1	25·6	32·6	− 2·5	0	66	0	—	− 0·60	33·8†	+10·6†	44†	+13†
	Ochtertyre Ş	55	25	50·0	29·0	39·2	+ 0·6	22	49	0	—	− 0·60	*	*	*	*
	Leith	49	29	45·1	33·1	38·9	− 1·2	9	32	0	—	− 0·28	*	*	*	*
	Marchmont Ş	48	29	42·0	32·9	37·3	− 0·7	0	33	2	0·10	− 0·41	13·0	− 8·3	17	−11
2. ENGLAND, N.E.	Alnwick Castle	44	26	42·1	33·9	37·9	− 1·0	0	28	1	0·12	− 0·37	*	*	*	*
	Durham	48	31	41·7	34·2	37·8	− 1·0	0	29	1	0·07	− 0·35	9·7	−12·3	13	−16
	Shields	43	32	42·0	35·1	38·5	− 1·4	0	25	1	0·09	− 0·25	*	*	*	*
	Scarborough Ⓜ	43	36	42·2	37·0	39·5	− 0·5	1	17	1	0·03	− 0·34	?	?	?	?
	Spurn Head	44	35	42·6	36·7	39·6	− 0·2	2	19	1	0·01	− 0·24	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	52	30	43·1	33·6	38·2	− 1·4	3	29	3	0·09	− 0·26	11·9	−11·1	15	− 15
	Yarmouth	43	33	40·9	34·9	37·8	− 1·3	0	29	4	0·07	− 0·28	*	*	*	*
	Geldeston	49	30	42·7	32·1	37·2	− 2·6	2	34	6	0·13	− 0·17	20·1	− 4·1	26	− 6
	Cambridge	58	29	45·7	32·7	39·0	− 1·5	10	34	1	0·01	− 0·27	12·1	−11·1	16	− 16
	Felixstowe	48	32	43·0	33·7	38·2	− 2·4	3	29	0	—	?	28·9†	?	37†	?
	Rothamsted	55	33	42·8	33·9	38·2	− 1·6	2	28	2	0·04	− 0·34	13·4	− 9·6	17	− 14
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	52	28	44·6	34·3	39·3	− 0·7	7	28	1	0·02	− 0·26	*	*	*	*
	Loughborough	53	32	42·7	34·6	38·5	− 2·1	2	25	1	0·02	− 0·29	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	49	31	40·8	33·3	36·9	− 1·7	0	36	0	—	− 0·47	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	52	33	41·2	24·7	37·9	− 1·9	0	29	0	—	− 0·35	5·8	?	7	?
	Churchstoke Ⓜ	52	33	41·1	34·1	37·5	− 2·3	0	32	1	0·08	− 0·34	5·9	−16.1	8	− 21
	Hereford (Belmont) Ⓜ	53	34	42·4	35·4	38·8	− 1·8	1	23	1	0·20	− 0·14	*	*	*	*
	Cirencester	55	33	42·4	34·7	38·4	− 1·2	1	25	1	0·14	− 0·28	5·7	−17·4	7	− 24
	Oxford	57	35	43·7	35·9	39·7	− 0·9	5	22	0	—	− 0·32	7·5	−15·0	10	− 19
5. ENGLAND, S.	London	56	35	44·6	36·1	40·2	− 1·3	7	21	0	—	− 0·30	11·1†	− 3·7†	14†	− 6†
	Cranley Ⓜ	57	34	44·4	35·7	39·9	− 1·5	7	23	0	—	− 0·38	*	*	*	*
	Dungeness	51	33	44·0	35·7	39·7	− 0·7	6	22	1	0·02	− 0·30	16·2	?	21	?
	Hastings (St. Leonards)	55	33	44·5	35·9	40·1	− 1·0	7	22	0	—	− 0·40	24·1	− 3·2	31	− 4
	Southampton	54	35	45·0	37·4	41·1	− 0·9	8	18	2	0·08	− 0·36	6·2	−18 8	8	− 26
	Portland Bill	48	33	43·0	35·0	38·9	− 3·7	3	25	3	0·19	?	*	*	*	*
	Shaftesbury Ⓜ	52	31	41·5	33·1	37·2	− 2·6	0	34	2	0·14	− 0·36	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	29	45·9	32·7	39·1	− 1·6	11	34	0	—	− 1·37	*	*	*	*
	Glasgow Ş	46	31	42·9	33·3	38·0	− 1·3	3	30	0	—	− 0·52	15·1	− 0·9	20	− 2
	Glenlee Ş	49	26	44·9	30·3	37·4	− 2·1	8	42	0	—	− 0·80	*	*	*	*
	Douglas (Isle of Man)	46	30	43·2	35·6	39·3	− 1·6	3	23	0	—	− 0·57	9·9	−14·7	13	− 19
7. ENGLAND, N.W.	Newton Reigny	48	27	42·3	32·1	37·1	− 1·7	1	34	1	0·03	?	13·8	?	18	?
	Stonyhurst	48	33	42·6	35·2	38·8	− 0·5	2	24	1	0·01	− 0·71	7·5	−12·6	10	− 17
	Blackpool Ⓜ	52	32	43·9	35·0	39·3	− 0·6	5	25	0	—	− 0·41	6·4	−13·6	8	− 19
	Manchester (Prestwich)	53	32	42·2	34·6	38·3	− 1·3	1	25	0	—	− 0·47	4·1	?	5	?
	Liverpool Obsy. (Bidston)	51	34	42·7	36·1	39·3	− 2·1	2	20	0	—	− 0·32	6·6	?	8	?
	Llandudno Ⓜ	51	36	43·3	38·3	40·7	− 1·4	4	13	0	—	− 0·38	7·1	− 14·7	9	− 20
	Holyhead	52	35	43·0	36·1	39·5	− 2·6	3	21	0	—	− 0·48	*	*	*	*
8. ENGLAND, S.W.	Llandovery	52	28	44·6	32·4	38·3	− 3.0	7	34	1	0·02	− 0·78	*	*	*	*
	Pembroke	49	36	43·3	37·0	40·1	− 2·3	4	18	0	—	− 0·50	3·1	− 23·5	4	− 30
	Clifton												*	*	*	*
	Arlington (N. Devon)	52	29	42·9	33·0	37·8	− 3·0	3	31	2	0·08	− 0·77	*	*	*	*
	Cullompton Ⓜ	55	28	44·5	34·4	39·3	− 3·5	7	27	2	0·12	− 0·53	5·7	− 18·5	7	− 25
	Falmouth	50	36	44·9	38·9	41·8	− 2·0	8	12	3	0·22	− 0·60	6·1	− 20·9	8	− 27
	Plymouth	54	31	45·0	34·7	39·7	− 3·2	8	27	3	0·52	− 0·02	9·5	− 17·2	12	− 23
9. IRELAND, N.	Malin Head	47	35	43·1	37·3	40·1	− 2·0	3	17	1	0·05	?	*	*	*	*
	Londonderry	49	28	44·7	34·1	39·2	− 2·5	8	28	1	0·03	− 0·49	*	*	*	*
	Edenfel (Omagh)	49	24	43·1	32·3	37·5	− 2·3	3	33	0	—	− 0·50	*	*	*	*
	Blacksod Point	49	34	44·7	35·6	40·0	− 3·4	8	23	0	—	?	*	*	*	*
	Markree Castle	47	24	44·2	31·5	37·7	− 3·1	6	37	0	—	− 0·65	9·4	−11·3	12	−15
	Armagh	47	30	43·1	34·8	38·8	− 1·5	3	25	0	—	− 0·53	12·6	− 7·4	16	−10
	Donaghadee	44	36	43·0	37·0	39·9	− 1·5	3	18	0	—	− 0·40	*	*	*	*
10. IRELAND, S.	Dublin	49	34	44·7	37·4	40·9	− 1·7	8	17	2	0·02	− 0·40	6·1	−17·2	8	−23
	Parsonstown	50	27	45·3	31·9	38·4	− 2·9	9	36	1	0·03	− 0·45	5·6	−16·4	7	−21
	Kilkenny	46	32	42·0	36·1	39·0	− 3·6	0	21	1	0·04	− 0·44	*	*	*	*
	Roche's Point	49	35	45·9	38·7	42·2	− 1.6	15	9	1	0·09	− 0·72	*	*	*	*
	Valencia	51	30	48·6	35·6	41·9	− 3·0	18	26	1	0·01	− 0·98	19·2	− 5·8	25	− 8
	Killarney	48	28	45·9	34·0	39·8	− 4·4	11	30	1	0·04	?	*	*	*	*
	Foynes	50	28	45·1	33·3	39·0	− 3·8	9	31	0	—	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	51	37	47·3	38·3	42·7	− 2·7	20	10	2	0·53	− 0·01	2·5	?	3	?
	Jersey	53	37	45·4	38·7	42·0	− 1·9	10	9	3	0·05	− 0·46	8·8	−21·2	11	− 29

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ş with the Scottish Meteorological Society.

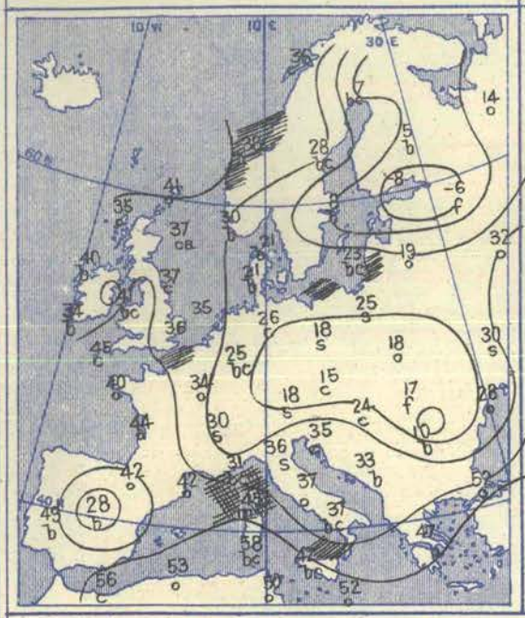
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The bright sunshine values entered to Dungeness are recorded at Littlestone and those entered to Liverpool at Hoylake.

Sunday, 4th March.

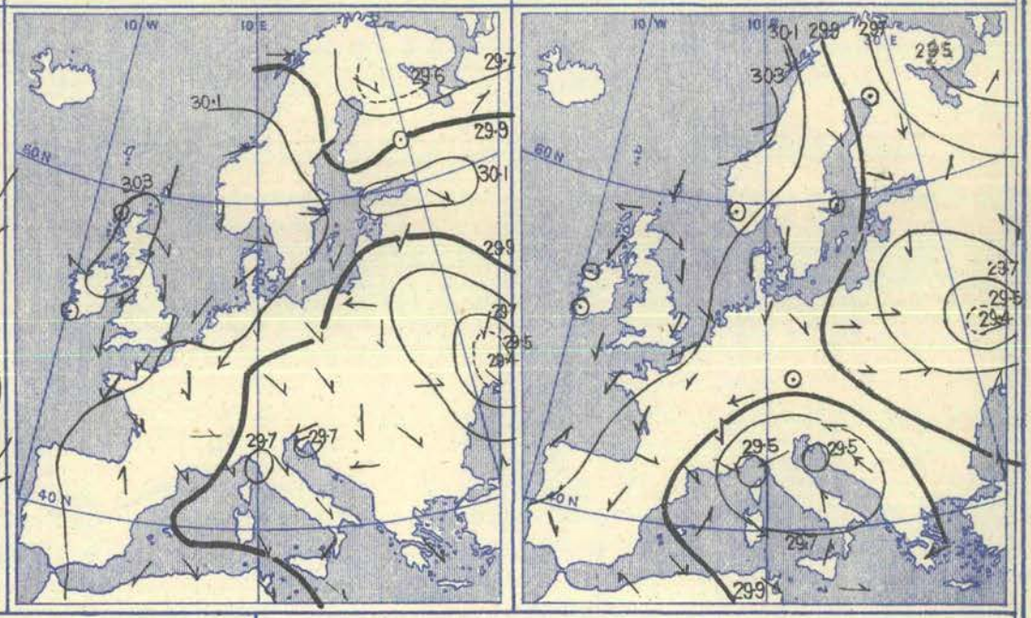
Temperature and Weather. 8 a.m.



Weather in morning cloudy in most parts of Great Britain, with slight rain or sleet in places; fine in Ireland. Fine also in Scandinavia, Denmark, and northern Russia, as well as over the Spanish Peninsula and the southern parts of France and Italy; dull in most other parts of the Continent, with snow in Germany and central France, and also at Kiev. Showers of snow or sleet falling later in many isolated parts of the United Kingdom, and rain over a considerable portion of southern Europe; thunderstorm occurring at Nice.

Temperature changed rather irregularly in most countries, but risen considerably over the northern parts of Russia and Scandinavia. Morning readings highest, 58° at Cagliari, 56° at Oran, and 53° at Algiers; above 45° over the central and southern parts of the Mediterranean generally. Lowest, −8° Fahr. at Helsingfors, −6° at St. Petersburg, +4° at Hangö, and +5° at Kuopio; below 20° in many parts of Germany and Austria. Daily maxima below 40° on the south-east coasts of England, and below 45° in many other parts of the United Kingdom. Thermometer exceeding 55° in Spain and southern Italy, and reaching 61° at Oporto and San Fernando.

Barometer and Wind. 8 a.m. 6 p.m.

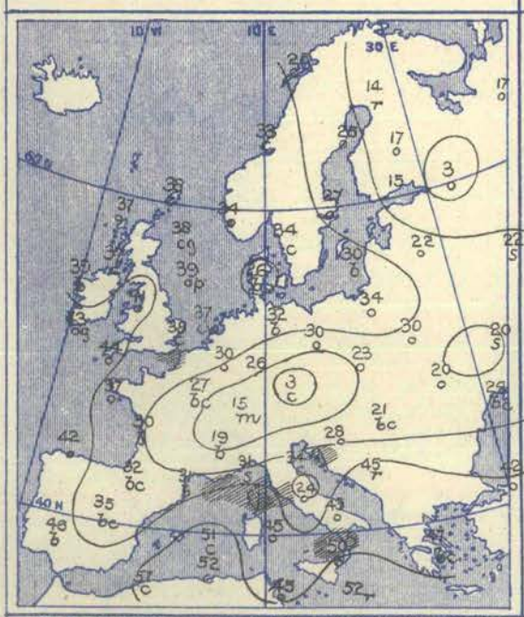


Wind light to moderate from the Northward or North-Eastward over the greater part of our Islands and all adjacent portions of the Continent, but calm or variable on our extreme north and north-west coasts. Westerly (South-Westerly to North-Westerly) over Scandinavia and northern Russia; South-Easterly in central Russia. North-Westerly over France, Germany, and Italy, but rather variable over the Spanish Peninsula. No important change occurring later, but wind shifting to the Southward in many parts of Italy.

Barometer highest, 30·3 ins. and upwards over Scotland and the north of Ireland; 30·1 ins. and upwards in an anticyclone covering nearly the whole of north-western Europe. Lowest, 29·4 ins. and less in a well-marked depression over the extreme south of Russia; 29·6 ins. and less in another disturbance over Lapland; 29·7 ins. and less in a third over the south-east of France and the extreme north of Italy. Depression over south of Russia subsequently moving northwards; disturbance over Lapland passing eastwards to the White Sea. No important change occurring elsewhere.

Monday, 5th March.

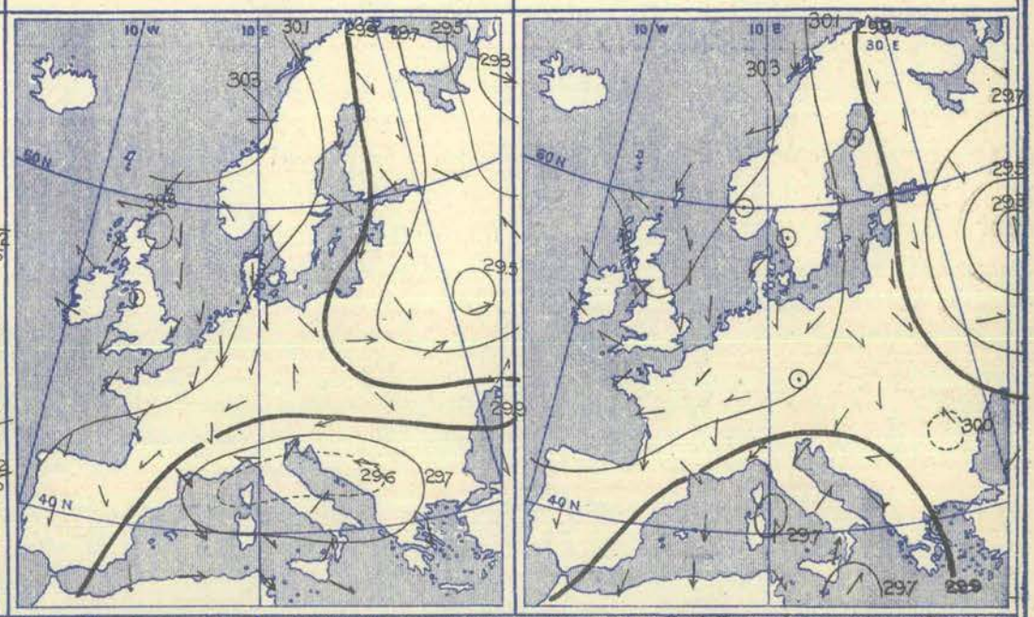
Temperature and Weather. 8 a.m.



Weather in morning cloudy or dull over the United Kingdom and the adjacent parts of the Continent, with passing showers at Shields. Fine over Denmark and the Baltic, and also over the greater part of France and the Spanish Peninsula, but snow reported at Nice. Dull over eastern and central Europe, with snow in several places; cloudy also at most of the Mediterranean and Adriatic stations, with rain at Lesina and Malta. No important change occurring later.

Temperature risen slightly in our Islands, and considerably over the central parts of the Continent; fallen elsewhere. Morning readings highest, 57° at Oran, and 52° at Algiers and Malta; above 45° at most of the Mediterranean and Spanish coast stations. Lowest, (1) 3° at Munich, 15° at Belfort, and 19° at Lyons; (2) 3° at St. Petersburg, 12° at Uleaborg, and 14° at Haparanda; below the freezing point over northern, eastern, and central Europe generally. Daily maxima below 40° over Germany and central France, and below 45° in all but the extreme south-western parts of the United Kingdom. Thermometer exceeding 55° over the southern parts of Spain and Italy, and reaching 63° at San Fernando.

Barometer and Wind. 8 a.m. 6 p.m.



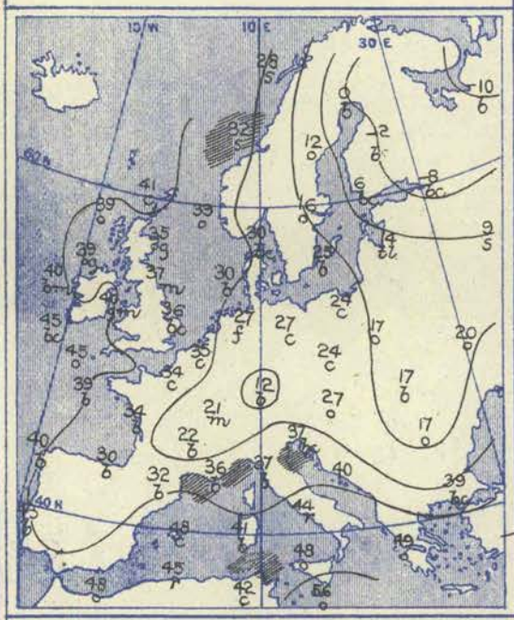
Wind light to moderate from the Northward or North-Eastward over western and northern Europe generally, but Easterly or South-Easterly in Ireland. North-Westerly over central Spain, and also over Germany and Austria; South-Westerly or Southerly in the south of Russia. Fresh from the Eastward or North-Eastward over the northern parts of Italy and the Adriatic; light from the South-Eastward over southern Italy. No important change occurring over western Europe during day; Northerly gale reported at Wisby in evening, and North-Easterly gale at Nice.

Barometer highest, 30·3 ins. and upwards in the north of Scotland and the west of Norway; 30·1 ins. and upwards in an anticyclone covering the whole of north-western Europe. Lowest, 29·3 ins. and less in a depression over the extreme north of Russia; 29·5 ins. and less in another disturbance over the south-west of that country; 29·6 ins. and less in a third system over the Gulf of Genoa, and the northern parts of Italy and the Adriatic. No decided change occurring over western Europe later, but depression over northern Russia moving southwards and growing deeper.

Tuesday, 6th March.

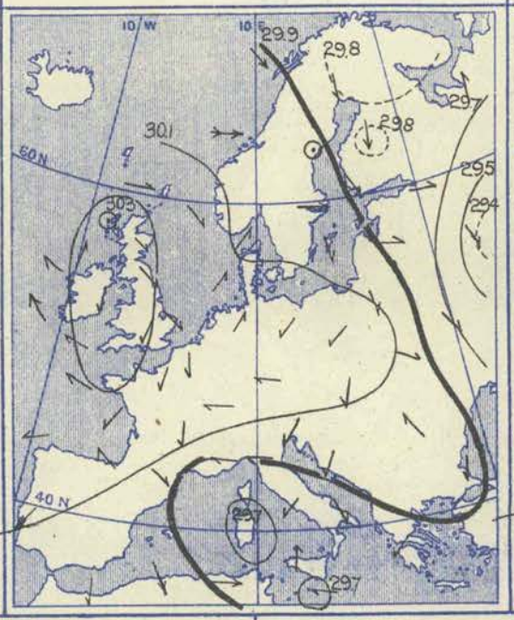
Temperature and Weather.

8 a.m.

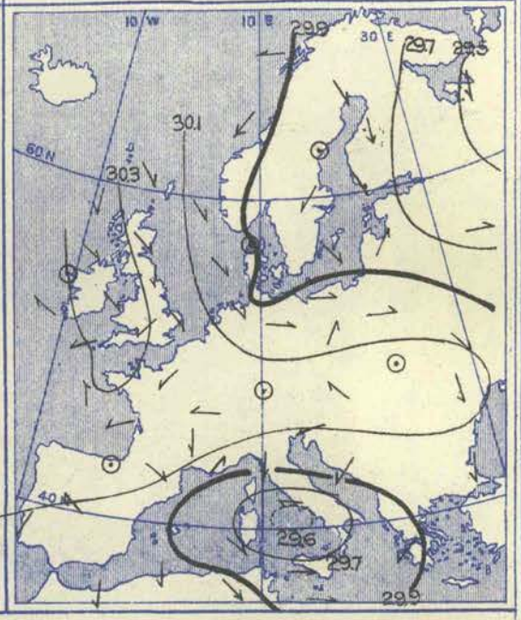


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with mist in several parts of Great Britain; rain falling at Naples, and snow in the west of Norway as well as at Moscow, Kharkov, and Bilbao; thunderstorm reported at Riga. Fine in the west and south of Ireland as well as over Denmark, northern Russia, the Spanish Peninsula, and the south of France. Slight rain falling later on several parts of our own north and east coasts and also over Algeria and southern Italy.

Temperature fallen in Great Britain and the northern parts of the Continent, but risen elsewhere. Morning readings highest, 56° at Malta, 51° at Brindisi, and 49° at Athens; above 45° at the Mediterranean stations generally, and just touching that point on our own extreme south-west coasts. Lowest, −10° Fahr. at Archangel, −8° at St. Petersburg, −2° at Kuopio, and 0° zero at Haparanda; considerably below the freezing point in most parts of northern, eastern, and central Europe. Daily maxima below 40° over the central parts of England and France, but thermometer exceeding 45° on our south-west coasts and touching 51° at Valencia (Ireland). Exceeding 55° in some parts of Spain and southern Italy.

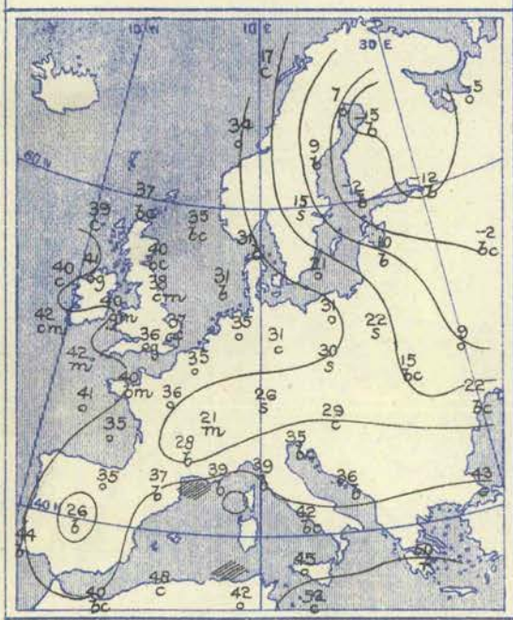
Wind light from the North-Westward or Northward over the eastern and central parts of our Islands and also over the Netherlands; North-Easterly over France and the Spanish Peninsula, Easterly or South-Easterly on our western coasts, and fresh in force in the south of Ireland. North-Westerly or Northerly over the greater part of Russia and Scandinavia, but blowing a gale from West at Christiansund; light from the South-Westward in Denmark. Variable in Germany and Austria; Easterly or North-Easterly over Italy and the Adriatic. No important change occurring during day, but wind veering to the North-Westward in Denmark.

Barometer highest, 30·3 ins. and upwards over the greater part of the United Kingdom; 30·1 ins. and upwards in an anticyclone embracing nearly the whole of western and central Europe. Lowest, 29·4 ins. and less in a well-marked depression over central Russia; 29·7 ins. and less in a shallower disturbance with its centre a little to the eastward of Sardinia. No decided change occurring later.

Wednesday, 7th March.

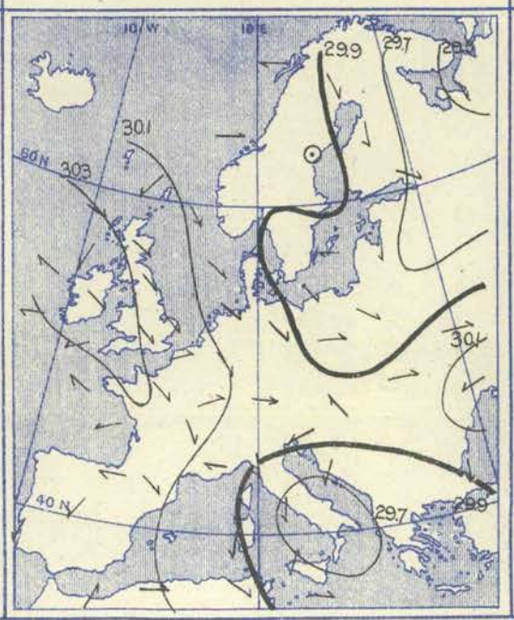
Temperature and Weather.

8 a.m.

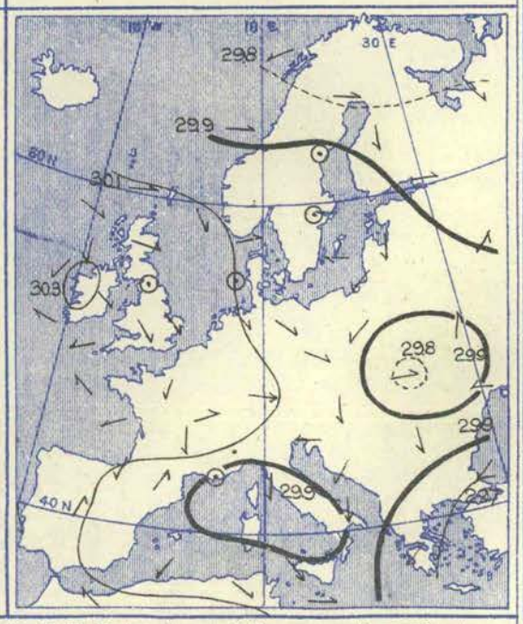


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull and misty in the west and south of our Islands; dull also over the west and north of France and the greater part of southern Europe; snow falling in the south of Sweden, and also over eastern and southern Germany. Fair or fine in most other parts of Europe, but dull in Greece and the south of Italy, with rain at Athens. Slight rain falling later at several of our own northern and eastern stations, and also in the west of Norway; no decided change occurring elsewhere.

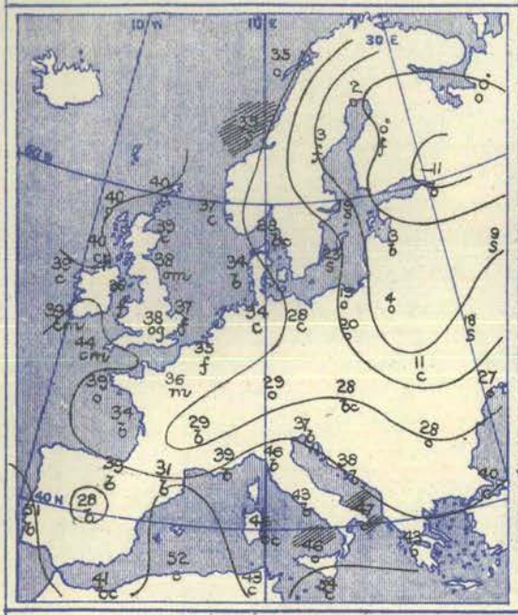
Temperature fallen in Sweden and Russia; changed rather irregularly elsewhere. Morning readings highest, 55° at Sanguinaire, 52° at Malta, and 50° at Athens, but below 45° at several other of the Mediterranean stations. Lowest, −15° Fahr. at Uleaborg, −12° at St. Petersburg, and −5° at Archangel; below zero over northern and central Russia generally, and considerably below the freezing point in Sweden. Daily maxima below 45° over the greater part of the United Kingdom, but thermometer reaching 48° at Stornoway and Valencia (Ireland), and 49° at Leith. Touching 55° at Nice and Perpignan; exceeding that point in the southern parts of Spain and Italy and reaching 66° at Sanguinaire.

Wind light to moderate from the North-Westward over all the more northern and eastern parts of the United Kingdom, and also over central France, Denmark, north Germany, and the south of Norway; Easterly in the south-western parts of our Islands, and also in the west of France; North-Easterly over the Spanish Peninsula. Northerly over northern Russia; Westerly or South-Westerly over eastern Germany and the south of Russia; variable in Italy. No important change occurring during day.

Barometer highest, 30·3 ins. and upwards over all but the eastern parts of the United Kingdom; 30·1 ins. and upwards in an anticyclone covering the greater part of western Europe, and also in another system over the south of Russia. Lowest, 29·5 ins. and less in a depression over northern Russia; 29·7 ins. and less in another disturbance over southern Italy and the adjacent parts of the Mediterranean. No important change occurring over western Europe during day, but shallow depression appearing over the south-west of Russia.

Thursday, 8th March

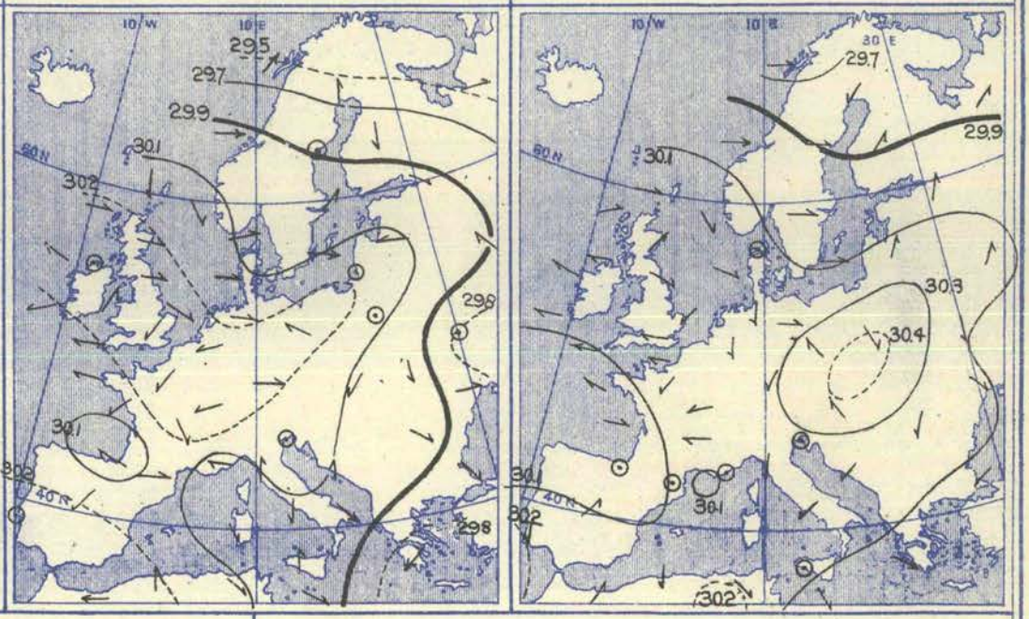
Temperature and Weather. 8 a.m.



Weather in morning cloudy or dull over our Islands and the northern and central parts of the Continent generally, but fine over Denmark, north Germany, and the Gulf of Finland; mist or fog reported in several parts of the United Kingdom, and snow at Christiansund, Wisby, Moscow and Kiev. Fine over nearly the whole of southern Europe. Slight rain falling later in the extreme northern and southern parts of our Islands, and also in the west of Norway.

Temperature changed little and irregularly. Morning readings highest, 54° at Malta, 52° at Algiers, and 51° at Lisbon; above 45° at most of the Mediterranean and Spanish coast stations. Lowest, −11° at St. Petersburg, −5° at Helsingfors, and −4° at Hangö; considerably below the freezing point over Sweden and Russia generally. Daily maxima below 45° in all the more central parts of the United Kingdom, but thermometer rising to 48° at Nairn, and to 49° at Valencia (Ireland). Exceeding 55° in many parts of southern Europe, and reaching 64° at San Fernando.

Barometer and Wind. 8 a.m. 6 p.m.

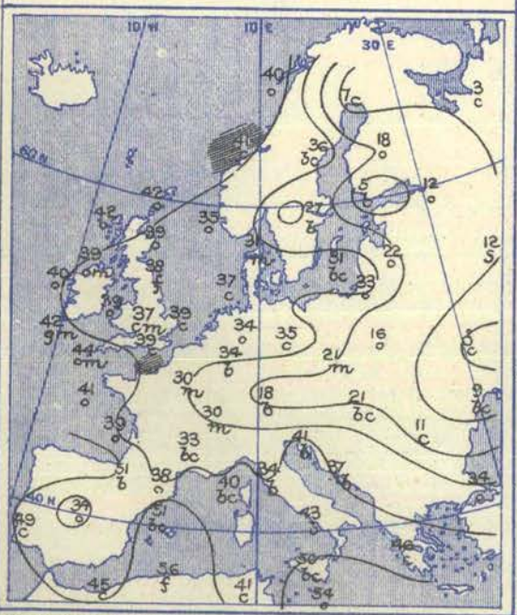


Wind light to moderate from the eastward (South-East to North-East) over France and the west and south of our Islands; light from the westward on our north and east coasts. Westerly or South-Westerly in Scandinavia and Denmark, and strong in force in the west of Norway. Variable in Russia; Westerly in Austria and South Germany; rather variable in Italy but chiefly Northerly or North-Westerly. No important change occurring over western Europe during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over our Islands, the Netherlands, Germany, and the north-east of France and also in another system over Algeria and the central and southern parts of Spain. Lowest, 29·6 ins. and less in the extreme north and south of Russia; 30·1 ins. and less in a very shallow depression over the south-west of France. French depression subsequently increasing in size, but not in intensity, and spreading northwards over the whole of the Bay of Biscay.

Friday, 9th March.

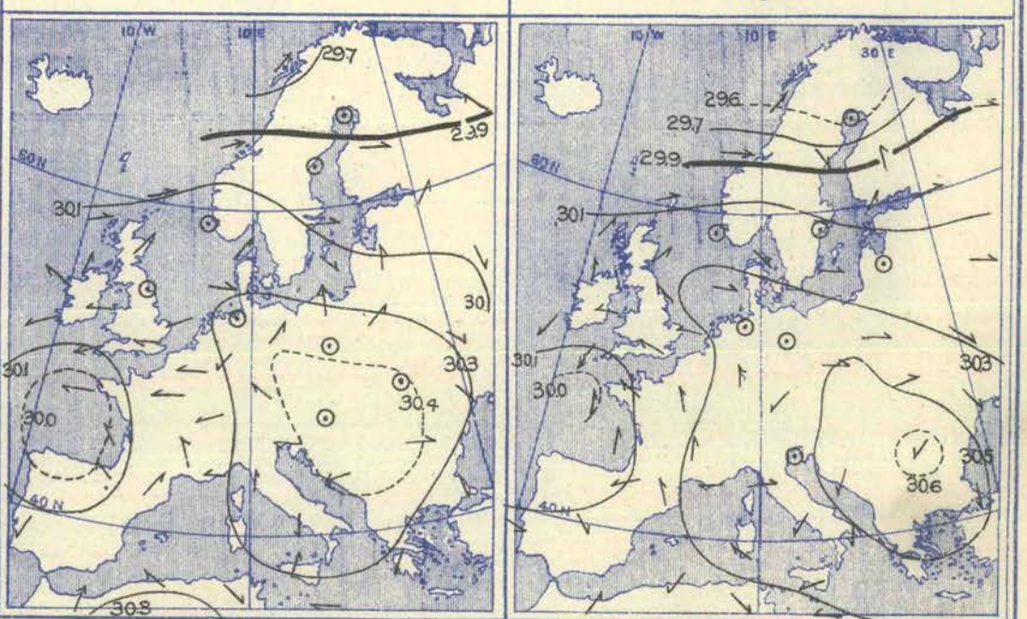
Temperature and Weather. 8 a.m.



Weather in morning cloudy or dull over western Europe generally, with mist at several of our own southern stations, and rain at Lorient. Fine in all the southern countries as well as in Sweden, dull over Russia, Denmark, and the northern and eastern parts of Germany, with snow at Helsingfors, Moscow, and Swinemunde. A little rain falling later in the western parts of the English Channel; no important change occurring elsewhere.

Temperature risen over northern Europe, but changed very irregularly elsewhere. Morning readings highest, 56° at Algiers, and 54° at Bilbao, Sanguinaire, and Malta; above 45° at most of the Mediterranean and Spanish coast stations. Lowest, 0 zero at Kiev, 2° at Lemberg, 3° at Archangel, 6° at Kharkov, and 7° at Haparanda; considerably below the freezing point in most parts of Russia, Sweden and Austria. Daily maxima below 45° in many parts of the United Kingdom, but thermometer reaching 50° at Parsonstown; exceeding 55° in the west of France and many parts of southern Europe, and reaching 64° at San Fernando. Frost occurring over the United Kingdom at night.

Barometer and Wind. 8 a.m. 6 p.m.

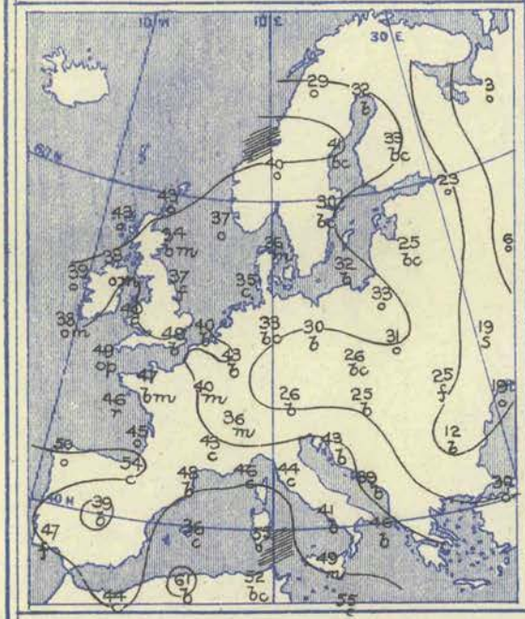


Wind light to moderate from the South-Eastward in France and from the Eastward over the southern parts of the United Kingdom. Light from the South-Westward in Scotland, and strong from the same quarter in the west of Norway; calm in the Gulf of Bothnia. Variable over Germany and Austria; North-Westerly in the south of Russia; Northerly or North-Easterly in Spain and Italy. No important change occurring during day.

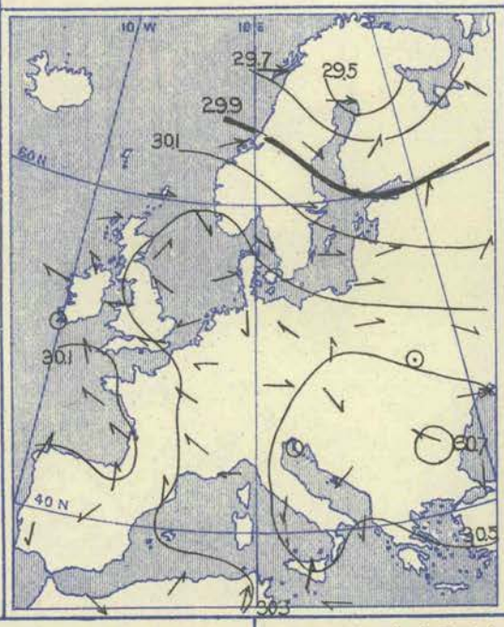
Barometer highest, 30·4 ins. and upwards over Austria and the south-eastern parts of Germany; 30·2 ins and upwards in an anticyclone covering nearly the whole of central and southern Europe, and extending north-westwards over the greater part of the United Kingdom. Lowest, 29·7 ins. and less in a shallow depression off the north-west of Norway; 30·0 ins. and less in another disturbance over the Bay of Biscay. Former depression subsequently moving eastwards: latter disturbance partially filling up.

Saturday, 10th March.

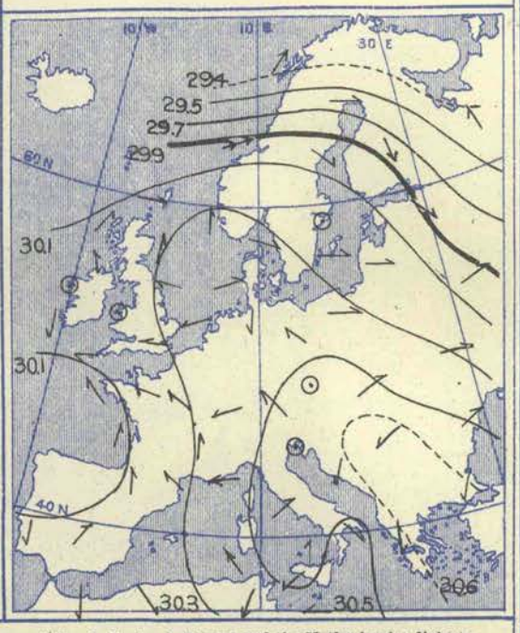
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull on our extreme west and south-west coasts and also in the west of France, with passing showers at Scilly and steady rain at Brest. Dull also over Norway and the greater part of Russia, with snow at Kiev. Rain falling later at most of our own south-western stations, and also in the western parts of France and the Spanish Peninsula. Rain or snow falling also over the northern parts of Scandinavia.

Temperature risen in Sweden, Russia and Austria; changed rather irregularly elsewhere. Morning readings highest, 61° at Algiers, 56° at Palma, and 55° at Bilbao, Barcelona, Cagliari and Malta; above 50° at most of the Mediterranean stations. Lowest, 3° at Archangel, 6° at Moscow, 12° at Hermanstadt, and 13° at Kharkov; below the freezing point in most parts of northern and central Europe, and very little above it in the central parts of Great Britain. Rising during day to 50° and upwards at most of the English stations, and to 57° at Cambridge; reaching 60° at Brussels and Paris, and exceeding that point in many parts of southern Europe, the highest reading of all being 66° at Biarritz and Sanguinaire.

Wind Easterly or South-Easterly over Ireland, England, France and the Netherlands; light to moderate in force generally, but strong at Pembroke. Westerly or South-Westerly over Scotland and also over the whole of northern Europe, and strong in force in the west of Norway. Variable over Germany, Austria and the south of Russia, and also over the Spanish Peninsula; Northerly in Italy. No important change occurring later, excepting in the west of Norway, where the wind increased to a gale from the South-Westward.

Barometer highest, 30·7 ins. and upwards over eastern Austria; 30·2 ins. and upwards in an anticyclone covering the whole of central and southern Europe and extending north-westwards over the greater part of the United Kingdom. Lowest, 29·5 ins. and less in a depression over Lapland: 30·1 ins. and less in a shallow disturbance over the Bay of Biscay. No important change occurring over western Europe during day, but new and deep depression approaching the north-west of Norway from the westward.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of the period a large anticyclone lay over north-western Europe, its central portion being situated over the north and north-west of our Islands. The prevailing winds were therefore Northerly or North-Easterly, and the weather mostly fair, cold and dry, but with occasional showers in the northern and eastern parts of Great Britain. In all but the north-western countries the conditions were influenced by several depressions lying over various parts of Russia, Austria and Italy, the winds being consequently very variable in direction, with snow in the northern and eastern countries, and rain in the south.

Towards the middle of the week the anticyclone spread eastward over central Europe, and the depressions over the eastern and southern countries gradually disappeared, the change resulting in a general improvement in the weather. Later on large cyclonic systems began to pass across the north of Scandinavia, while a very shallow disturbance extended northwards over the Bay of Biscay to our own south-western coasts. The former depressions occasioned freshening Westerly winds, and some rain, over northern Europe, while the latter produced Easterly or South-Easterly breezes on our own southern coasts, with rain in the south-west. The change of wind from North-East to South-East was attended by a decided rise of temperature over England.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 56.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	16·0	?	21	?	BRIGHTON	20·9	- 4·9	27	- 7
STRATHPEFFER SPA	15·8	- 6·2	21	-10	WORTHING	15·0	?	19	?
EDINBURGH	12·2	- 6·5	16	- 9	BOGNOR	13·1*	?	17*	?
MORPETH	11·1	?	14		WATERGATE (Emsworth)	9·3	?	12	?
NEWCASTLE-ON-TYNE	8·4	?	11	?	WESTBOURNE (Emsworth)	11·0*	-16·2	14*	-21
OSWALDKIRK (Yorkshire)	9·5	-12·5	12	-17	VENTNOR HOSPITAL	7·4	?	9	?
YORK	8·2	-12·6	11	-16	SOUTHPORT	6·6	?	9	?
LOWESTOFT	27·9	?	36	?	RHYL	6·5*	?	8*	?
HOLLESLEY BAY	26·6	?	34	?	COLWYN BAY		~~25·6~~		
SHEFFIELD	7·4	?	9	?	ABERDOVEY	11·0*	?	14*	?
WORKSOP	10·6	- 9·5	14	-13	TENBY	2·7	-25·5	3	-34
THURCASTON (Leicestershire)	6·3	-13·0	8	-18	NEWQUAY	4·6	-22·4	6	-30
MARGATE	25·4	+ 2·0	33	+ 3	TORQUAY	7·9	-17·1	10	-23
EASTBOURNE (Emsworth)	17·6	- 7·4	23	-11	GUERNSEY	7·4*	-22·4	10*	-29

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 11.] *Third Series.* WEEK ENDING SATURDAY, MARCH 17TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

DISTRICTS. (See p. 62)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	57	14	44·9	32·9	38·8	0 (average)	8	− 1	33	− 2	41	−35	473	+42
1. SCOTLAND, EAST	59	17	46·6	32·5	39·4	0 (average)	13	0	35	− 2	46	−54	504	+41
2. ENGLAND, N.E.	56	26	46·5	34·6	40·4	0 (average)	13	− 2	28	− 3	56	−43	389	−15
3. ENGLAND, EAST	57	25	47·2	33·8	40·3	1 below	15	− 4	31	− 3	96	−28	385	−75
4. MIDLAND COUNTIES	56	21	47·5	32·7	39·9	1 below	15	− 5	35	+ 1	93	−38	406*	−50
5. ENGLAND, SOUTH	59	24	48·9	35·9	42·2	0 (average)	27	+ 6	17	−10	156	+ 6	290	−77
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	55	23	47·5	34·7	40·9	0 (average)	15	+ 2	28	+ 1	74	−39	378	+49
7. ENGLAND, N.W.	59	22	46·2	35·5	40·7	0 (average)	12	− 2	25	− 1	74	−33	339	+ 1
8. ENGLAND, S.W.	59	25	48·4	36·7	42·4	0 (average)	25	+ 5	15	− 7	174	− 5	238	−38
9. IRELAND, NORTH	55	21	46·4	35·5	40·8	1 below	12	− 5	25	+ 2	92	−59	332	+46
10. IRELAND, SOUTH	54	23	48·0	36·2	41·9	2 below	17	− 7	23	+ 5	164	−62	303	+84
—CHANNEL ISLANDS	58	32	50·4	41·6	45·9	1 above	29	+ 4	1	− 8	305	+62	64*	−60

Rainfall. Bright Sunshine.

DISTRICTS. (See p. 62.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
		10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	6	6	2 less	56	+ 1	10·8	− 1·6	23	+ 1	28	+ 1	145	+26	22	+ 4
1. SCOTLAND, EAST	3	3	2 less	45	+ 3	7·3	+ 0·8	23	− 1	29	− 1	156	− 1	23	0
2. ENGLAND, N.E.	2	2	2 less	46	+ 6	7·1	+ 2·5	23	+ 2	29	+ 2	140	−17	20	− 2
3. ENGLAND, EAST	2	1	3 less	49	+ 9	7·0	+ 2·5	26	− 2	31	− 4	172	−23	22	− 3
4. MIDLAND COUNTIES	3	1	3 less	45	+ 7	8·2	+ 2·9	25	+ 3	31	+ 4	136	−16	21	− 2
5. ENGLAND, SOUTH	1	1	4 less	45	+ 8	8·5	+ 2·7	22	− 6	27	− 9	164	−21	22	− 3
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	3	2	7 less	48	+ 1	11·7	− 1·1	33	+10	41	+12	169	+24	24	+ 3
7. ENGLAND, N.W.	3	2	3 less	46	+ 4	8·7	+ 2·0	32	+11	39	+12	160	+ 2	22	0
8. ENGLAND, S.W.	2	2	4 less	50	+ 7	12·3	+ 3·3	33	+ 4	41	+ 4	187	−12	26	− 1
9. IRELAND, NORTH	5	4	1 less	53	+ 4	7·8	+ 0·5	26	+ 4	33	+ 6	195	+38	28	+ 6
10. IRELAND, SOUTH	3	3	3 less	50	+ 5	9·2	+ 0·3	26	0	32	0	206	+20	29	+ 3
— CHANNEL ISLANDS	3	3	2 less	57	+ 9	11·2	+ 3·7	34	+ 1	42	0	183	−51	24	− 7

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was fair and dry as a whole, but slight rain was rather frequent in the extreme north and towards the end of the week sleet or snow showers were experienced in all parts of the Kingdom.

Temperature was high during the earlier days of the week, but subsequently fell quickly and the weekly means did not differ materially from the average. The highest of the maxima were mostly recorded either on the 11th or 12th, and ranged from 59° in England S., S.W. and N.W., and in Scotland E., to 54° in Ireland S. The lowest of the minima, which were registered on the 17th, ranged from 14° in Scotland N. and 17° in Scotland E., to 25° in England S.W., 26° in England N.E., and to 32° in the Channel Islands. The range of temperature during the period was generally large, that at Lairg amounting to 43°.

Rainfall was less than the mean in all districts; the fall over eastern, central, and southern England was very slight.

Bright Sunshine exceeded the mean in most parts of the Kingdom, but was deficient in the southern and eastern parts of England and in the east of Scotland. The percentage of the possible duration ranged from 42 in the Channel Islands and between 39 and 41 over the western parts of Great Britain to 29 in England N.E. and Scotland E., 28 in Scotland N., and 27 in England S.

Barometer and Wind.—Soon after the commencement of the week the barometer began to rise briskly in the west, and by Wednesday an anticyclone with readings above 30·8 ins. covered the greater part of Ireland. This baric rise occurred at the same time as depressions were passing south-eastwards over Scandinavia, and caused rather steep gradients over the north-east of Scotland and the North Sea, where strong North-Westerly winds and gales were experienced. Towards the end of the period another large and deep depression advanced to Norway from the north-westward and simultaneously the anticyclone in the west began to move southwards and to disperse. Strong North-Westerly winds or gales were again felt at most of our northern and north-western stations, and strong North-Westerly winds over the rest of the Kingdom.

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319 | 70 3 | 00.

* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 61 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	48	25	42·1	32·4	37·1	− 1·0	0	32	7	0·59	− 0·02	*	*	*	*
	Stornoway Ⓢ	49	25	44·0	34·6	39·2	− 0·2	6	27	6	0·51	− 0·33	20·7	− 1·4	26	− 3
	Wick Ⓢ	51	21	44·9	33·4	39·0	+ 0·1	8	31	7	0·70	+ 0·23	*	*	*	*
	Lairg Ⓢ	57	14	46·7	29·4	37·8	+ 0·1	13	46	6	0·80	+ 0·10	*	*	*	*
	Glencarron Ⓢ															
	Fort Augustus Ⓢ	52	23	45·8	32·6	39·0	− 0·3	11	34	5	0·25	− 0·47	23·7	+ 7·5	29	+ 9
	Fort William Ⓢ	50	24	46·0	35·1	40·4	+ 0·4	11	26	5	0·48	− 0·91	22·7	+ 1·9	28	+ 2
1. SCOTLAND E.	Nairn	52	25	46·1	32·3	39·0	− 0·5	11	35	6	0·24	− 0·16	*	*	*	*
	Aberdeen	54	25	45·7	33·9	39·6	− 0·1	13	30	6	0·62	+ 0·12	27·1	+ 1·1	33	0
	Braemar Ⓢ	47	17	41·3	28·6	34·8	− 1·1	0	50	4	0·54	0·00	16·7†	· 8·5†	21†	− 11†
	Ochtertyre Ⓢ	59	18	49·9	32·0	40·7	+ 1·4	22	39	0	—	− 0·60	*	*	*	*
	Leith Ⓢ	56	27	49·7	35·1	42·2	+ 1·3	30	19	1	0·08	− 0·22	*	*	*	*
	Marchmont Ⓢ	54	24	46·6	33·3	39·8	+ 1·0	13	33	3	0·08	− 0·46	28·5	+ 5·7	35	+ 6
2. ENGLAND, N.E.	Alnwick Castle	56	27	47·8	34·3	40·9	+ 1·3	16	30	2	0·25	− 0·25	*	*	*	*
	Durham	55	26	46·6	33·4	39·8	+ 0·1	13	32	2	0·33	− 0·12	25·3	+ 0·9	31	0
	Shields	54	26	46·7	33·9	40·1	− 0·3	13	30	2	0·19	− 0·19	*	*	*	*
	Scarborough Ⓜ	53	27	46·8	35·4	40·9	+ 0·2	13	25	3	0·06	− 0·34	?	?	?	?
	Spurn Head	49	31	44·6	35·9	40·1	− 0·2	7	22	0	—	− 0·27	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	52	25	47·1	33·7	40·2	− 0·6	14	31	3	0·07	− 0·29	28·4	+ 3·7	35	+ 4
	Yarmouth	50	28	44·6	34·3	39·3	− 0·6	7	28	3	0·07	− 0·31	*	*	*	*
	Geldeston	57	26	47·5	33·7	40·4	− 0·5	15	32	3	0·06	− 0·26	23·5	− 3·5	29	− 5
	Cambridge	56	25	49·7	32·7	41·0	− 0·3	22	37	0	0·01‡	− 0·29	19·8	− 6·3	24	− 10
	Felixstowe	53	28	46·6	34·7	40·5	− 0·7	13	28	0	0·03‡	?	34·3†	?	42†	?
	Rothamsted	56	25	47·7	33·6	40·5	− 0·1	16	32	4	0·07	− 0·31	22·7	− 3·1	28	− 5
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	53	25	47·4	30·9	38·9	− 1·9	15	41	3	0·06	− 0·27	*	*	*	*
	Loughborough	54	23	47·9	30·7§	39·1§	− 2·2§	17	42§	4	0·09	− 0·26	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	53	23	46·4	33·0	39·5	− 0·1	12	33	3	0·15	− 0·34	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	51	26	46·8	34·1	40·3	0·0	13	30	2	0·08	− 0·27	16·7	?	21	?
	Churchstoke Ⓜ	53	22	46·9	31·8	39·1	− 1·2	14	37	2	0·10	− 0·32	29·1	+ 4.9	36	+ 6
	Hereford (Belmont) Ⓜ	55	27	47·8	33·9	40·6	− 1·1	16	31	3	0·32	− 0·06	*	*	*	*
	Cirencester	54	21	47·9	33·0	40·2	0·0	17	34	2	0·11	− 0·34	29·7	+ 4·7	37	+ 5
	Oxford	56	28	48·7	34·1	41·2	− 0·3	19	31	2	0·06	− 0·27	21·2	− 3·8	26	− 5
5. ENGLAND, S.	London	56	27	48·4	35·3	41·7	− 0·4	18	27	1	0·06	− 0·25	12·4†	− 5·1†	15†	− 7†
	Cranley Ⓜ	58	25	50·6	35·3	42·7	+ 0·7	33	19	0	—	− 0·36	*	*	*	*
	Dungeness	51	27	48·4	35·9	42·0	+ 0·7	18	17	0	—	− 0·38	10·0	?	12	?
	Hastings (St. Leonards)	54	30	48·3	36·7	42·3	+ 0·5	24	15	0	—	− 0·42	20·8	− 9·3	26	− 11
	Southampton	59	27	51·1	35·9	43·3	+ 0·5	35	17	2	0·08	− 0·36	23·5	− 4·5	29	− 7
	Portland Bill	59	31	48·6	37·7	43·0	+ 0·1	25	12	2	0·06	?	*	*	*	*
	Shaftesbury Ⓜ	53	24	46·9	34·4	40·5	− 0·1	14	29	3	0·18	− 0·29	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	51	26	46·8	35·9	41·2	+ 0·1	13	24	5	0·32	− 1·06	*	*	*	*
	Glasgow	52	28	46·3	35·1	40·5	+ 0·7	12	26	3	0·04	− 0·48	26·2	+ 7·9	32	+ 9
	Glenlee Ⓢ	55	23	49·4	31·9	40·4	+ 0·6	21	39	2	0·08	− 0·74	*	*	*	*
	Douglas (Isle of Man)	52	25	47·5	36·0	41·6	+ 0·3	15	24	3	0·20	− 0·40	39·7	+12·1	49	+ 14
7. ENGLAND, N.W.	Newton Reigny	59	24	47·6	32·7	39·9	+ 0·7	16	35	0	—	?	28·7	?	35	?
	Stonyhurst	53	24	45·7	32·9	39·1	− 0·9	10	33	2	0·30	− 0·44	33·7	+10·4	42	+ 14
	Blackpool Ⓜ	58	27	46·4	36·1	41·1	+ 0·3	12	23	2	0·16	− 0·32	34·9	+13·1	43	+ 15
	Manchester (Prestwich)	54	22	46·7	33·0	39·7	− 0·8	13	34	3	0·15	− 0·35	26·8	?	33	?
	Liverpool Obsy. (Bidston)	53	30	45·3	37·4	41·2	− 0·6	9	17	4	0·20	− 0·17				?
	Llandudno Ⓜ	57	27	46·7	38·0	42·2	− 0·7	18	11	4	0·27	− 0·15	29·3	+ 6·3	36	+ 7
	Holyhead	49	31	44·7	38·6	41·6	− 1·1	8	13	4	0·31	− 0·18	*	*	*	*
8. ENGLAND, S.W.	Llandovery	59	25	49·4	32·4	40·7	− 1.5	21	37	3	0·16	− 0·63	*	*	*	*
	Pembroke	54	33	46·6	39·9	43·2	+ 0·3	17	6	2	0·14	− 0·36	33·1	+ 3·8	41	+ 5
	Clifton	55	29	48·3	37·2	42·6	+ 0·2	24	13	1	0·01	− 0·47	*	*	*	*
	Arlington (N. Devon)	55	29	46·7	35·4	40·9	+ 0·1	13	25	3	0·16	− 0·63	*	*	*	*
	Cullompton Ⓜ	56	29	49·9	35·9	42·7	− 0·7	31	17	1	0·08	− 0·48	26·5	− 0·4	33	− 1
	Falmouth	54	31	48·0	39·3	43·5	− 0·5	22	8	3	0·38	− 0·35	39·8	+ 9·9	49	+ 12
	Plymouth	57	29	49·8	36·8	43·1	− 0·7	30	15	4	0·39	− 0·16	32·6	+ 3·5	40	+ 4
9. IRELAND, N	Malin Head	48	30	43·7	38·3	40·9	− 1·5	5	13	5	0·27	?	*	*	*	*
	Londonderry	55	26	47·2	35·2	41·0	− 1·3	15	26	5	0·63	+ 0·04	*	*	*	*
	Edenfel (Omagh)	52	21	45·9	33·9	39·7	− 0·6	11	30	4	0·35	− 0·19	*	*	*	*
	Blacksod Point	52	26	46·4	35·9	41·0	− 2·7	12	23	6	0·52	?	*	*	*	*
	Markree Castle	51	22	46·8	33·1	39·8	− 1·9	13	33	6	0·54	− 0·08	27·5	+ 5·3	34	+ 6
	Armagh	54	25	48·9	35·4	42·0	+ 1·0	19	18	2	0·18	− 0·31	24·8	+ 2·9	31	+ 4
	Donaghadee	49	27	45·7	36·6	41·0	− 1·1	10	20	6	0·29	− 0·15	*	*	*	*
10. IRELAND, S.	Dublin	54	27	48·8	36·8	42·6	− 0·5	26	15	3	0·15	− 0·29	24·2	− 1·8	30	− 3
	Parsonstown	54	23	48·1	33.0	40·3	− 1·6	17	34	3	0·15	− 0·35	21·2	− 2·8	26	− 4
	Kilkenny	53	25	48·1	34·9	41·3	− 1·8	17	28	2	0·04	− 0·43	*	*	*	*
	Roche's Point	53	32	48·6	38·9	43·6	− 0.7	24	9	2	0·12	− 0·66	*	*	*	*
	Valencia	53	29	48·9	37·7	43·1	− 2·5	26	12	4	0·63	− 0·26	32·2	+ 4·2	40	+ 5
	Killarney	52	23	47·5	35·6	41·4	− 3·2	15	25	2	0·50	?	*	*	*	*
	Foynes	50	27	45·8	36·5	41·0	− 2·1	11	21	2	0·55	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	32	49·9	42·1	45·9	+ 0·2	27	0	3	0·29	− 0·23	34·0	?	42	?
	Jersey	58	33	50·9	41·1	45·9	+ 1·2	31	3	3	0·36	− 0·15				

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

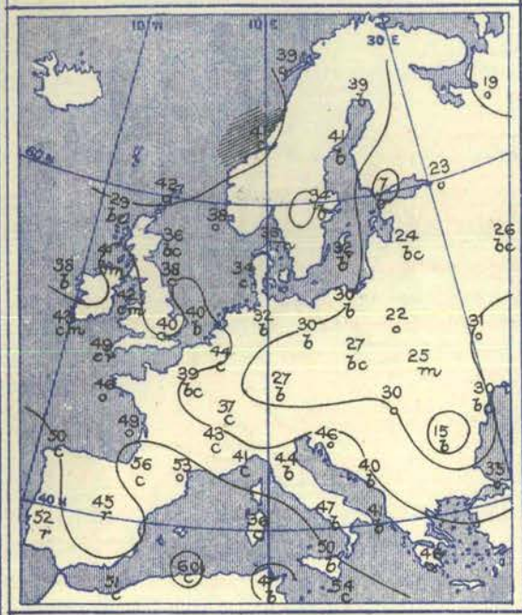
‡ Wet fog or dew.

§ The corresponding values for the week ending February 17th should read "23·0," "31·8," " − 7·4," and "71."

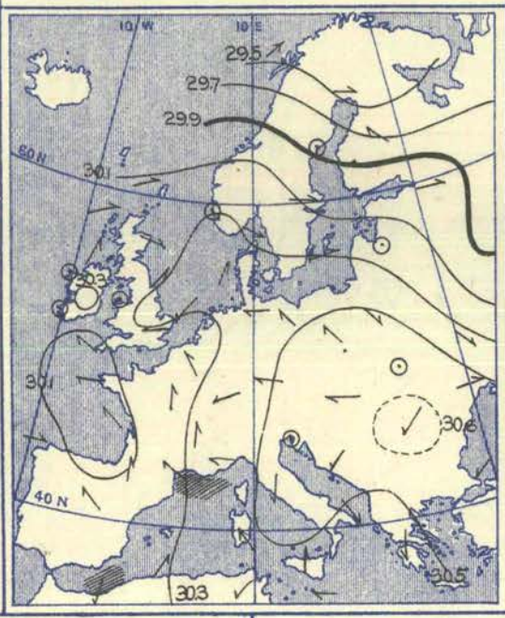
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 11th March.

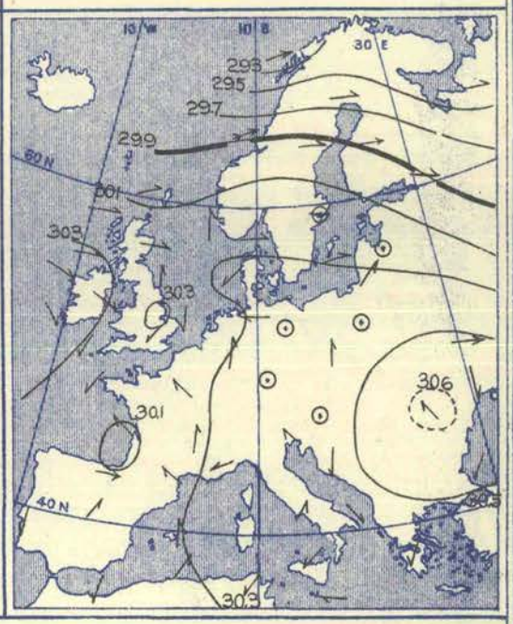
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine over south-eastern, central and northern Europe and the greater part of the British Islands, but much cloud or haze reported in many places, and rain at Scilly. Some rain later in Norway and the north of Scotland, also on some parts of our south-western counties and over the west and north of France, and fog in the north of England.

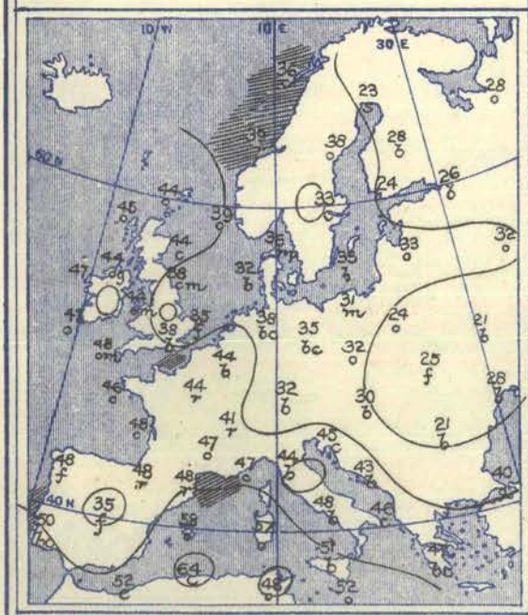
Temperature inclined to rise both at the northern stations and in the south-west of our Islands and the west of France. Morning readings highest, 60° at Algiers, and 56° to 50° at the southern and western Mediterranean stations generally, 54° to 50° in Portugal, 49° to 40° in the south-west and south of the British Islands, 42° at Sumburgh Head, 41° at Christiansund. Lowest, (1) 15° at Hermanstadt, 22° to 30° over central Europe; (2) 19° at Archangel, 23° at St. Petersburg; (3) 33° at Parsonstown, 34° at Loughborough, 36° at Aberdeen. Rising later to between 55° and 50° at many of our western and southern stations, to 66° at Brest, 63° at Paris, and 59° in the south-west and south of France.

Wind very variable over the Continent generally, but South-Westerly and very strong in the north (a gale in places); South-Easterly (light) in the west of France; East to North-East in the south and south-west of our Islands; backing to the Northward later over Ireland, England and the north of France.

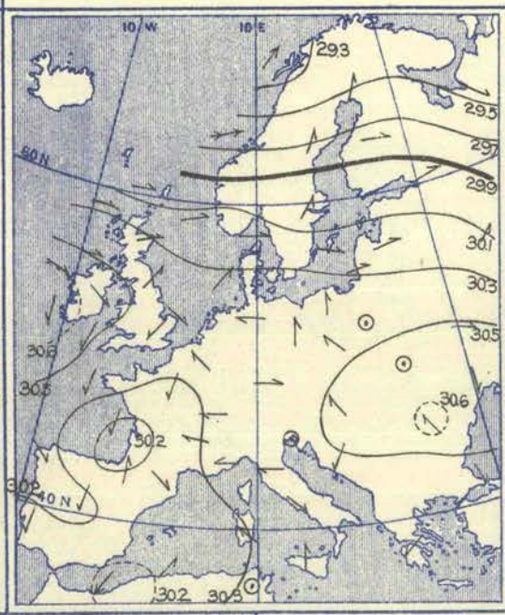
Barometer highest, 30·69 ins. at Hermanstadt, and exceeding 30·5 ins. all over south-eastern Europe and Austria-Hungary; 30·4 ins. to 30·3 ins. in a "ridge" stretching thence to the North Sea and east of England; 30·3 ins. and more over Ireland. Lowest, (1) below 29·5 ins. over Lapland; (2) below 30·1 ins. in a depression over the Bay of Biscay and almost as low in a secondary over the north-east of France. New depression reaching Lapland later from the westward; that over the Bay of Biscay moving to the south-west of France; secondary in north-east of France not moving.

Monday, 12th March.

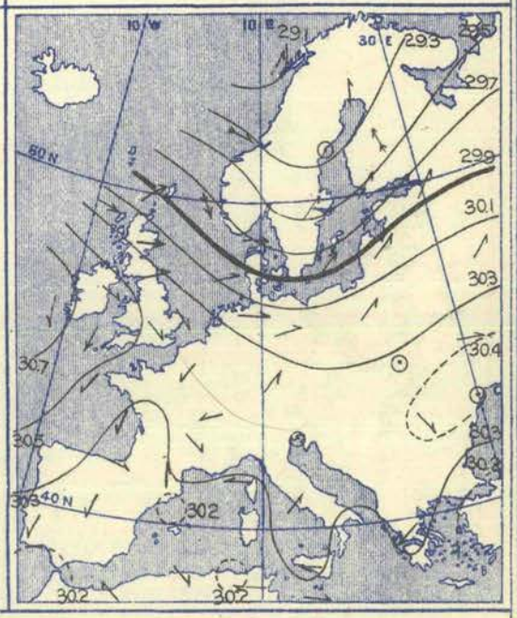
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull on our extreme western and northern coasts and in Norway, with rain at Christiansund, fine over the greater part of our Islands, north of France, and central and south-eastern Europe; dull and rainy in the south-west of France. Cold, slight showers later in Scotland and the north of Ireland and considerable rain in the south-west of France; fine all day over England.

Temperature risen in Scotland and over central Europe. Morning readings highest, 64° at Algiers, and ranging from 58° to 50° over the southern and western shores of the Mediterranean generally, 48° to 40° on the west coast of France and the southern and western coasts of the British Isles, 45° to 42° in Scotland. Lowest, (1) 21° to 30° over south-eastern Europe, 23° to 28° over the north of Russia; (2) 28° at Loughborough, 35° at Oxford, 38° at Parsonstown. Rising later to between 52° and 50° at many of our northern stations, to between 50° and 59° over the south of our Islands, and to between 57° and 59° in the west and south of France.

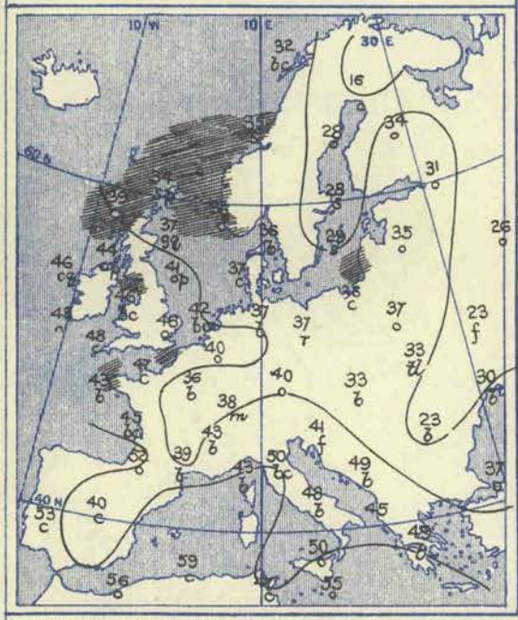
Wind (1) light and variable except at the most northerly stations (anticyclonic, North-West and North-East over Ireland, England, and France); (2) strong to a gale from South West and West-South-West in the north-west of Norway; light, South-Westerly over Finland. South-Westerly gale in Norway, spreading later, and a Westerly gale occurring over Caithness and the Moray Firth. Wind over England East, freshening a little from North-West.

Barometer highest, (1) 30·6 ins. and more to 30·5 ins. over Ireland, Wales, and the Irish Sea, and exceeding 30·2 ins. all over England and the southern half of the North Sea; (2) 30·6 ins. and more to 30·4 ins. over south-eastern and central Europe. Lowest, (1) 29·21 ins. at Bodö and below 29·5 ins. over the north of Norway generally; (2) 30·2 ins. and less in a shallow depression over the south-west of France. Large disturbance moving south-eastwards off the north of Scandinavia later, its south-western limb just touching the north-east of Scotland. Depression in south-west of France not moving.

Tuesday, 13th March.

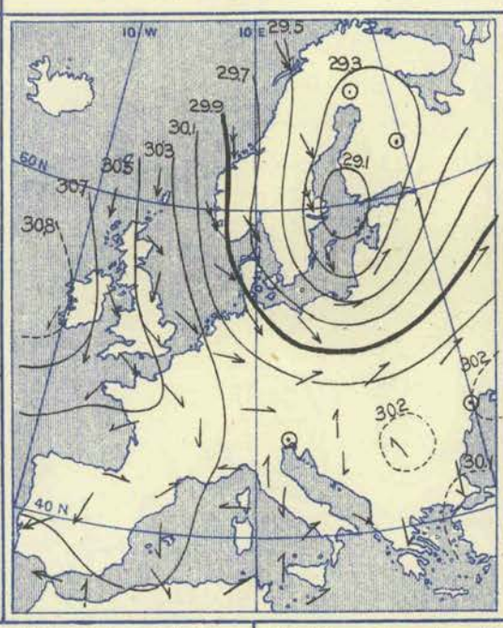
Temperature and Weather.

8 a.m.

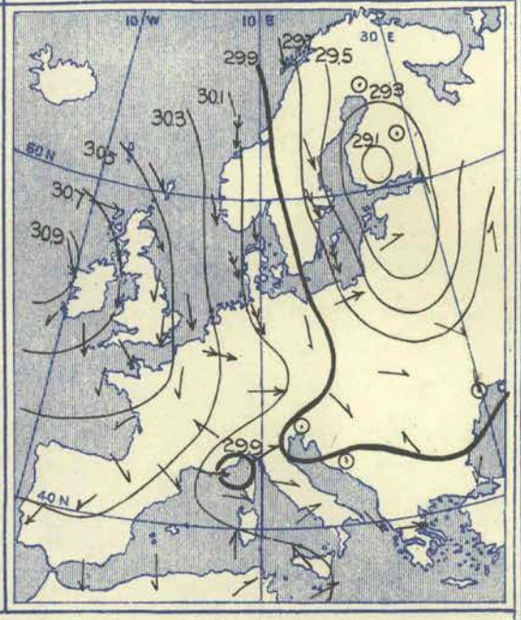


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very rough and stormy from north-west over Scandinavia; squally from west in north Germany, and from the southward over the Baltic Provinces and Finland; rather rough and squally in our Islands (especially in Scotland), but comparatively fair on our south-west coasts and in France. Rain, squalls and snow later over Germany, the Baltic and Scandinavia, as well as in Scotland and over the North Sea; clearing up over England at night.

Temperature fallen over Scandinavia, Scotland and France; risen over Ireland and Germany. Morning readings highest, 59° at Algiers and at Oran, 57° to 50° over the western and southern shores of the Mediterranean generally, 52° at Biarritz, 48° at Valencia and Scilly, 46° at Blacksod, Holyhead and in London. Lowest, (1) 16° at Haparanda, 26° at Moscow, 31° at St. Petersburg; (2) 24° at Kharkov, 33° over eastern Germany; (3) 34° to 39° at the Scotch stations. Maxima on our south-west and south coasts above 50°; colder weather in north spreading southwards later—frost over England at night.

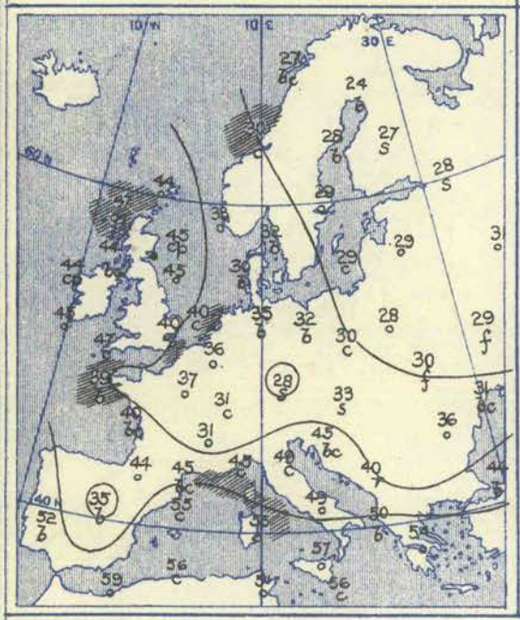
Wind (1) very strong, to a gale, from North-West over Scandinavia and Scotland; strong from West over north Germany; moderate from South on the eastern shores of the Baltic; fresh to strong, and squally, over England; light and variable over France. Moderating in our Islands towards night and backing to West again at Stornoway.

Barometer highest, (1) 30·8 ins. and more in the west of Ireland, and exceeding 30·3 ins. all over the British Islands and greater part of France; (2) 30·2 ins. and more to 30·1 ins. over the south of Russia and in Austria. Lowest, 29·1 ins. and less to 29·3 ins. in a depression over the Baltic, and below 30·3 ins. in a shallow system in the south-west of France. Rising all over north-western Europe during day, but beginning to fall again at Stornoway in evening.

Wednesday, 14th March.

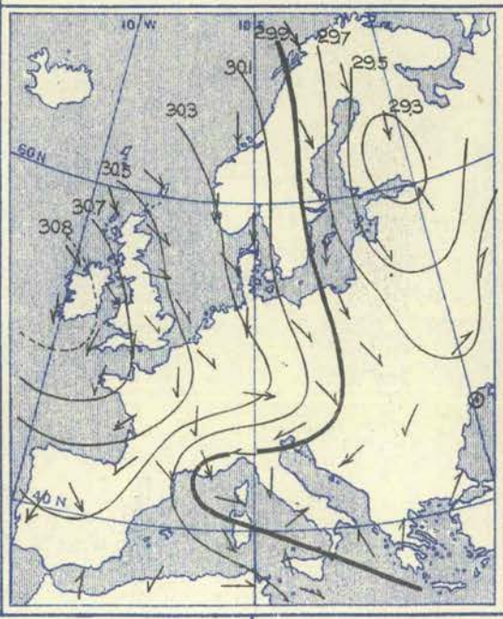
Temperature and Weather.

8 a.m.

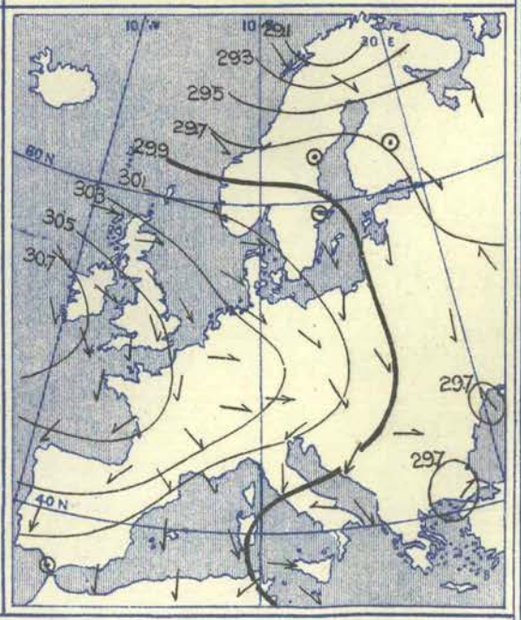


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over our Islands and France as a whole, but very cloudy over Great Britain; clear in many parts of Germany and Sweden; unsettled in the north of Russia and the Mediterranean, with snow in Finland. Some rain later over Sweden and Germany, and a little in the north and north-west of our Islands. Lunar halo at Shields.

Temperature risen in north Britain and in the south of Russia; fallen in most other places. Morning readings still highest, 59° to 56° on the southern and western shores of the Mediterranean; 47° to 40° over the greater part of our Islands and west of France, and in Italy. Lowest, (1) below 30° over Finland, Sweden, Lapland and also in the south of Russia; (2) 28° at Munich, 30° to 34° over central Europe; (3) 38° at Dungeness, 40° in London and at Yarmouth. Rising later to 56° at Leith, and between 54° and 50° over the north-east of England and east of Scotland; slightly exceeding 50° at some of our south-western and southern stations and in Brittany; touching 59° at Nice.

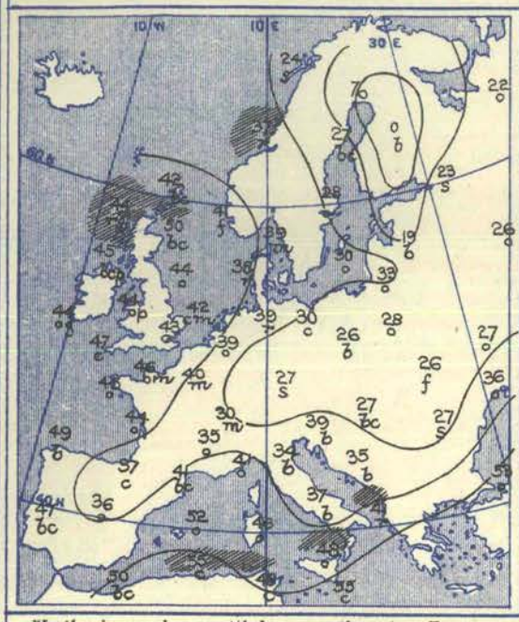
Wind was (1) North-Westerly to Northerly over Scandinavia, the North Sea and the British Islands—blowing hard at some Baltic stations, and strongly in many parts of our Islands; North-Easterly in the south-west of France; (2) a cyclonic circulation of strong winds (in some places gales) over the eastern parts of the Mediterranean and the Adriatic. A fresh gale from South-West in the north-west of Norway later.

Barometer highest, 30·8 ins. and more in the west and south of Ireland, and exceeding 30·5 ins. almost all over the United Kingdom and the north-western half of France. Lowest, (1) 29·3 ins. and less in a depression over Finland; (2) below 29·8 ins. over south-eastern Europe, and about 29·84 ins. in a secondary "V" over the north-eastern part of the Mediterranean. Falling decidedly in our Islands later—most in the north; a new depression approaching the north of Scandinavia from the Atlantic.

Thursday, 15th March.

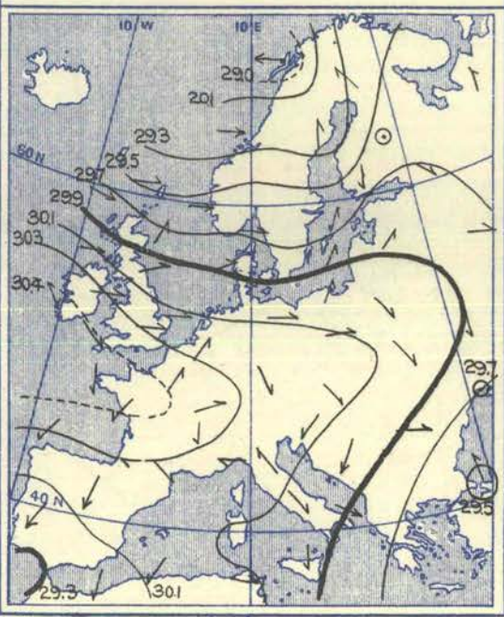
Temperature and Weather.

8 a.m.

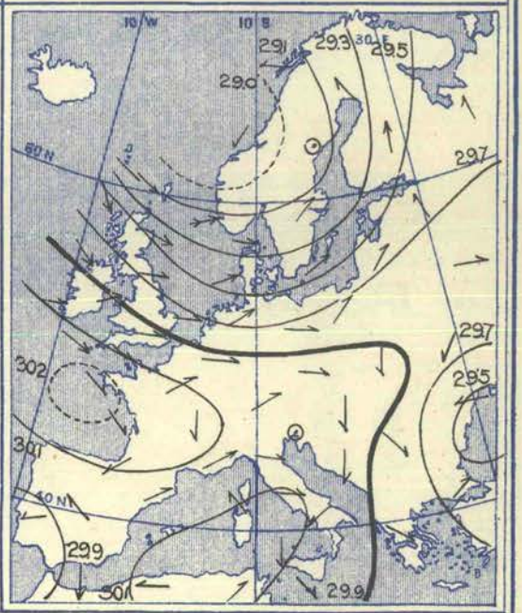


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning unsettled over north-western Europe generally, with some rain in many places and an angry, threatening appearance in the north of Scotland; fair over Russia, central and southern Europe, rather unsettled in the south-east, with snow at Hermanstadt. Rain and sleet showers later in almost all parts of our Islands and their neighbourhood, especially towards night. Amounts not large, the maximum reported being 0·2 ins. in the north of Scotland.

Temperature changing fitfully, a singular rise reported in the east of Scotland, and a decided rise in Norway. Morning readings highest, 57° to 59° on the southern shores of the Mediterranean, 47° to 44° in the west of France and the greater part of the British Islands, 42° at the Helder, 50° at Aberdeen. Falling fast in Scotland later and only just touching 50° at a few of our southern stations. Maxima 52° at Biarritz, 54° at Rochefort.

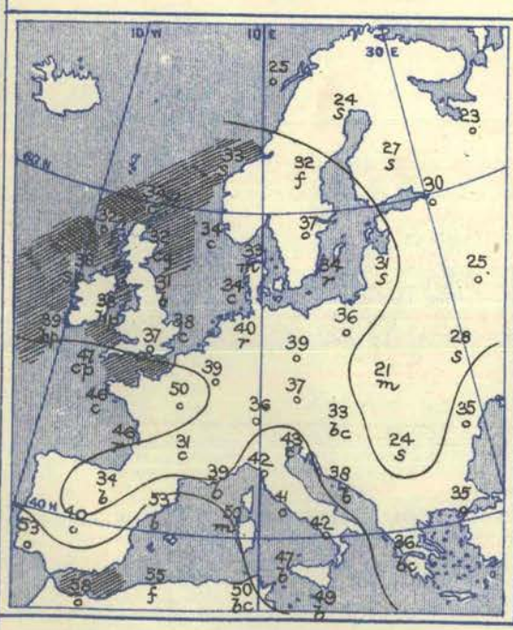
Wind (1) fresh to strong from West and North-West in Scotland, from West and South-West in Norway, from South in Sweden, and from East in Lapland; (2) moderate to fresh from West and North-West over England and Ireland, light and variable over France, Germany, and the Mediterranean—very strong from North-West and West over the Adriatic. Blowing a severe gale from North-West later over the north of Scotland, and a moderate gale at several of the English stations; a strong breeze over the south of England.

Barometer highest, 30·43 ins. in the south of Ireland, 30·45 ins. to 30·4 ins. over Brittany and central France, and exceeding 30·2 ins. over the greater part of Ireland, Wales, France, and central Germany. Lowest, (1) 28·91 ins. at Bodö and below 29·2 ins. over the northern parts of Scandinavia generally; (2) 29·5 ins. and less in another depression over the Bosphorus and below 29·7 ins. over Turkey and the Black Sea. New depression coming south-eastwards towards Norway later and barometer falling fast all over our Islands and north-western Europe.

Friday, 16th March.

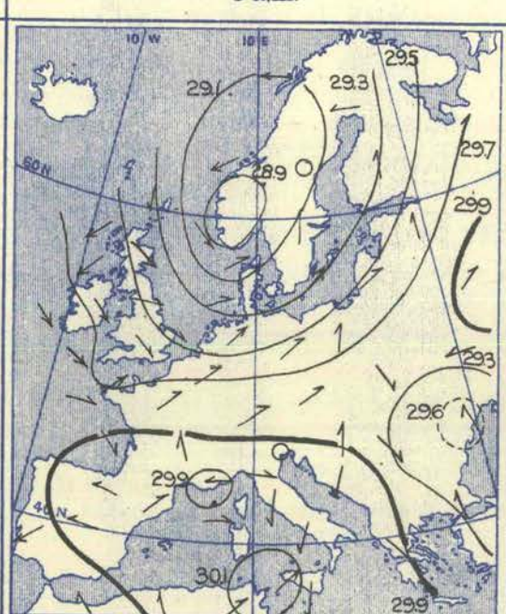
Temperature and Weather.

8 a.m.

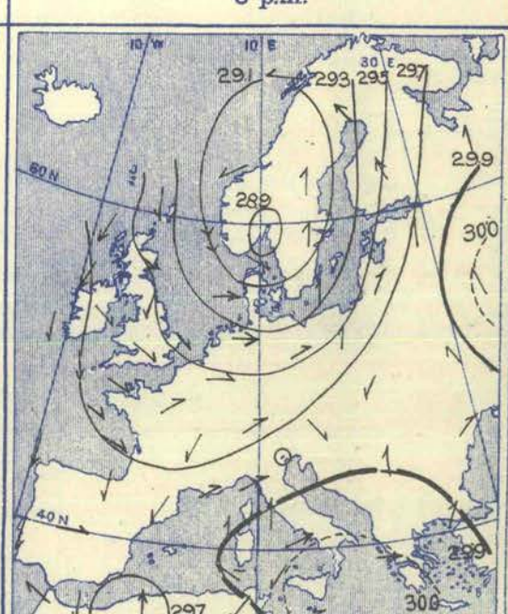


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning rough and unsettled over the north-western and northern countries generally with showers of snow at many northern stations, hail and rain in the west, rain on some parts of the French coasts. Cold rain and snow falling later in the regions referred to, but brightening at times at our western stations, fair over southern Europe.

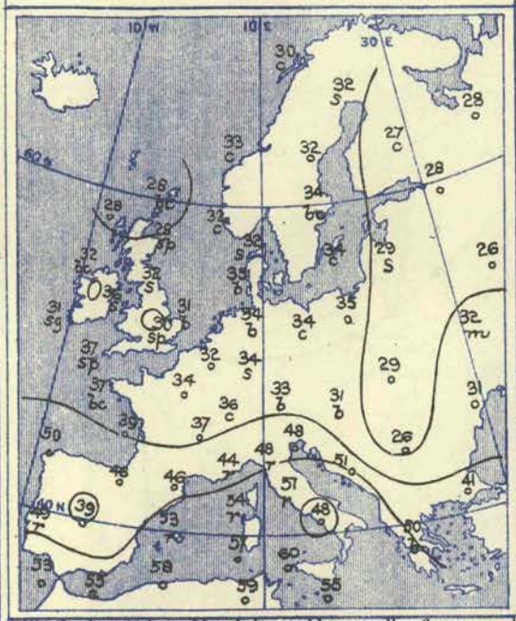
Temperature risen over Russia and central Europe, fallen over Norway, the British Islands and north-west of France. Morning readings highest, 58° to 59° on the southern and western shores of the Mediterranean, 47° at Scilly, 46° at Rochefort and Jersey, 44° at Dungeness. Falling later over our Islands and the North Sea, sharp frost at night over our inland counties and in Scotland; grass minimum 17° at Loughborough.

Wind (1) light and variable over southern Europe; strong to a gale from North-West in Scotland, strong and squally from North-West and West over England, from South-West on the eastern shores of the North Sea, from South over the Baltic and Finland; South-Westerly, moderate over central Europe. Moderating greatly over our Islands later; gales all dying down.

Barometer highest, (1) 30·16 ins. in the Azores and 29·8 ins. at Valencia (Ireland), (2) 30·1 ins. to 29·9 ins. over the Mediterranean and southern Europe; (3) 30·0 ins. to 29·9 ins. over central Russia. Lowest, 28·8 ins. and less in a depression over Scandinavia, 29·6 ins. and less in another over the south of Russia, and below 29·9 ins. in a very shallow system over the south of France. Falling later all over western Europe but beginning to rise in the far north; Scandinavian depression beginning to fill up.

Saturday, 17th March.

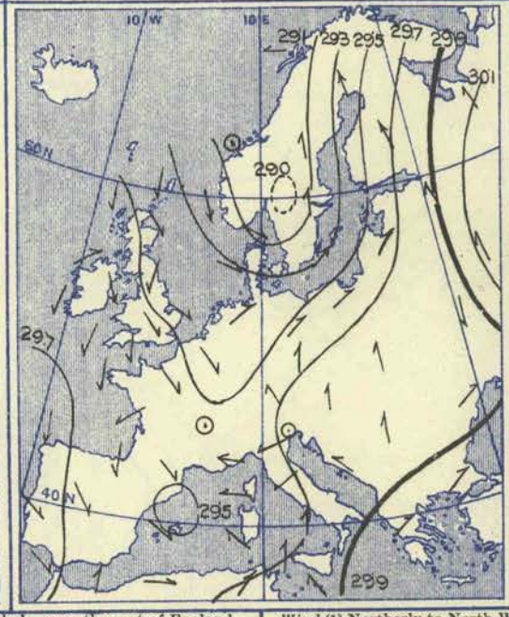
Temperature and Weather. 8 a.m.



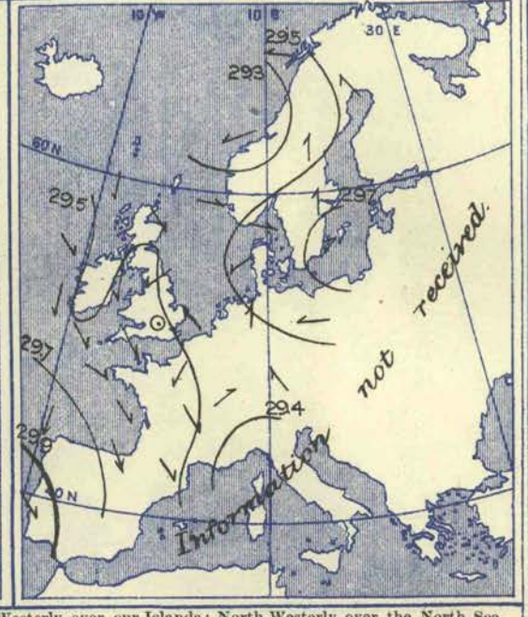
Weather in morning cold and changeable generally; fine as a whole over the east of England, the southern half of the North Sea, and clearing up over northern Europe; fair, but dull, over central Europe; very rainy in the south of France, the north of Spain, and over the northern parts of the Mediterranean. Much rain and some hail over the south of France later, and smaller quantities of rain or snow in the western and northern parts of our Islands, and in parts of Scandinavia; lightning at Donaghadee.

Temperature changing fitfully; fallen over the greater part of western Europe—very largely in some localities. Morning readings highest, 60° at Palermo, 59° to 55° over northern Africa, 57° at Cagliari, 54° at Sanguinaire; between 50° and 40° over the Adriatic, Italy, and the south and south-west of France. Lowest, (1) 26° to 28° over the north of Russia and Finland; above 30° over Scandinavia and central Europe; (2) 26° at Parsonstown, 27° at Wick and Loughborough, 30° at Oxford and in London. Rising during day to between 32° and 37° in Scotland, to between 40° and 46° over England, to 52° at Lorient, 53° at Lyons, 58° at Perpignan. Succeeding night very cold over Great Britain.

Barometer and Wind. 8 a.m.



6 p.m.



Wind (1) Northerly to North-Westerly over our Islands; North-Westerly over the North Sea, and of little force; Southerly, strong, over the Baltic and Finland; (2) brisk from the East ward in the south of France and north of Italy; Southerly to Westerly in north Africa A light South-Westerly to Southerly breeze becoming general in the west of Ireland later, but soon shifting to Northward again.

Barometer highest, (1) 29·7 ins. and more to 29·6 ins. over Spain, the Bay of Biscay, the south-west of England, and in Ireland; (2) 30·10 ins. and more to 29·8 ins. over central Russia; (3) 30·0 ins. and more to 29·8 ins. over Asia Minor and south-eastern Europe. Lowest, (1) 29·0 ins. and less to 29·1 ins. in a complex (but dispersing) depression over Scandinavia; (2) below 29·5 ins. in a shallow secondary over the north-west of the Mediterranean, and also in a "hollow" over the Netherlands, north-west Germany, and the east of France. Continuing to fall in Ireland and the south of England later. Further complications advancing from Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇉ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week the distribution of pressure was undergoing a material change; the barometer was rising in the far west, and by Monday readings had become high (30·6 ins. and more to 30·5 ins.) both over our own western districts and also over the south of Russia and Hungary. In the south a shallow depression had been formed over the south-west of France, but over the west of Lapland and the northern parts of Scandinavia depressions were appearing moving south-eastwards, and the barometer was as low as 29·2 ins. at Bodö.

During the next few days there was a further increase of pressure over the western and central parts of our Islands, until on Tuesday evening the readings in the west of Ireland exceeded 30·9 ins., and all over the United Kingdom and the north-west of France they exceeded 30·5 ins. In the south-east and south, however, the mercury was as low as 29·9 ins. or less, and the northern depressions were moving south-eastwards to Russia. North-Westerly winds, increasing in strength, were reported at the northern stations; North-Easterly in the south-west of France, while the stations in south-eastern and southern Europe were experiencing winds from North-East and North-West of great strength.

From that time the western high-pressure system decreased in intensity, the large depressions in the far north began to spread more and more over the North Sea and United Kingdom, so that both on Monday night, and more generally on Thursday night, Westerly and Northerly gales of considerable strength were felt in Scotland, and Westerly strong winds to moderate gales over England. Temperature was unsteady, rising fitfully to maxima between 50° and 59° over the Kingdom as the disturbances advanced, but falling rapidly in their rear, so that early on Saturday morning the sheltered thermometer registered values as low as 20° to 23° at the inland stations, and 17° on the grass was recorded at Loughborough.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 62.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	23·7	?	30	?	BRIGHTON	21.3	- 6·9	26	-10
STRATHPEFFER SPA					WORTHING	23·3	?	29	?
EDINBURGH	21.5	+ 0·7	27	+ 1	BOGNOR	24·8*	?	31*	?
MORPETH	21·9	?	27	?	WATERGATE (Emsworth)	23·9	?	30	?
NEWCASTLE-ON-TYNE	17·0	?	21		WESTBOURNE (Emsworth)	28·9*	- 1·3	36*	- 2
OSWALDKIRK (Yorkshire)	31·6	?	39		VENTNOR HOSPITAL	32·4	?	40	
YORK	20·5	- 2·3	25	- 4	SOUTHPORT	38·3	?	47	?
LOWESTOFT	23·6	?	29	?	RHYL	37·3*	?	46*	?
HOLLESLEY BAY	26·5	?	33	?	COLWYN BAY	26·4	?	33	?
SHEFFIELD	21·6	?	27	?	ABERDOVEY	32·2*	?	40*	?
WORKSOP	27·1	+ 4·9	33	+ 5	TENBY	35·7	+ 4·2	44	+ 5
THURCASTON (Leicestershire)	30·0	+ 8·9	37	+10	NEWQUAY	31·0	+ 1·2	38	+ 1
MARGATE	16·5	- 9·5	20	-12	TORQUAY	33·4	+ 4·4	41	+ 4
EASTBOURNE (Emsworth)					GUERNSEY	34·4*	+ 1·6	42*	+ 1

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 12.] *Third Series.* WEEK ENDING SATURDAY, MARCH 24TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 68.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. or the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	48	5	41·1	30 1	35·5	4 below	0	−10	46	+12	40*	−46	519	+54
	1. SCOTLAND, EAST	46	4	39·7	28·4	33·8	6 below	0	−15	57	+22	46	−69	561	+63
	2. ENGLAND, N.E.	46	13	41·2	32·9	36·9	4 below	0	−17	36	+ 6	56	−6.)	425	− 9
	3. ENGLAND, EAST	51	20	44·3	32·8	38·3	4 below	6	−15	32	0	102	−43	417	−75
	4. MIDLAND COUNTIES	53	15	42·0	31·0	36·4	5 below	0	−24	39	+ 6	93	−62	445	−44
	5. ENGLAND, SOUTH	52	23	45·1	34·4	39·6	3 below	9	−14	28	+ 2	165	− 8	318	−75
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	49	21	42·6	32·1	37·3	4 below	2	−13	35	+ 8	76	−52	413	+57
	7. ENGLAND, N.W.	49	19	41·7	32·8	37·1	5 below	0	−16	34	+ 8	74	−49	373	+ 9
	8. ENGLAND, S.W.	51	19	44·5	33·1	38·6	5 below	7	−15	32	+11	181	−20	270	−27
	9. IRELAND, NORTH	52	22	42·9	32·5	37·6	5 below	3	−17	33	+10	95	−76	365	+56
	10. IRELAND, SOUTH	52	24	43·7	33·1	38·2	6 below	5	−21	31	+13	169	−83	334	+97
	—CHANNEL ISLANDS	52	33	47·2	38·5	42·7	3 below	20	− 6	10	+ 2	325	+56	74	−58

Rainfall.

	DISTRICTS. (See p. 68.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	5	4 less	61	0	11·5*	− 1·7
	1. SCOTLAND, EAST	6	12	7 more	51	+ 5	8·5	+ 1·5
	2. ENGLAND, N.E.	3	4	0 (average)	49	+ 5	7·5	+ 2·4
	3. ENGLAND, EAST	3	5	1 more	52	+ 8	7·5	+ 2·6
	4. MIDLAND COUNTIES	3	5	0 (average)	48	+ 7	8·7	+ 3·0
	5. ENGLAND, SOUTH	3	8	4 more	48	+ 7	9·3	+ 3·1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	3	6 less	52	+ 1	12·0	− 1·6
	7. ENGLAND, N.W.	4	3	3 less	50	+ 4	9·0	+ 1·8
	8. ENGLAND, S.W.	4	10	4 more	54	+ 8	13·3	+ 3·7
	9. IRELAND, NORTH	4	2	4 less	57	+ 4	8·0	+ 0·2
	10. IRELAND, SOUTH	3	4	2 less	53	+ 5	9·6	+ 0·1
	— CHANNEL ISLANDS	4	9	4 more	61	+ 9	12·1	+ 4·1

Bright Sunshine.

	DISTRICTS. (See p. 68.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	15	− 6	17	− 8	162*	+21	21	+ 2
	1. SCOTLAND, EAST	8	−17	10	−21	164	−18	22	− 2
	2. ENGLAND, N.E.	9	−18	10	−23	149	−36	18	− 5
	3. ENGLAND, EAST	20	−10	24	−13	192	−33	22	− 4
	4. MIDLAND COUNTIES	13	−12	15	−16	149	−28	20	− 4
	5. ENGLAND, SOUTH	20	−10	24	−12	184	−31	22	− 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	19	− 7	22	− 9	188	+17	24	+ 2
	7. ENGLAND, N.W.	19	− 4	23	− 5	179	− 2	22	− 1
	8. ENGLAND, S.W.	19	−13	22	−17	206	−25	25	− 4
	9. IRELAND, NORTH	9	−12	10	−18	204	+26	26	+ 3
	10. IRELAND, SOUTH	15	−14	17	−18	221	+ 6	28	+ 1
	— CHANNEL ISLANDS	21	−11	24	−15	204	−62	24	− 8

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was very unsettled during the early days of the week, with considerable falls of snow or sleet, first in the south and then in the north and west. The latter part of the week was mostly dry, but slight falls of sleet or snow were experienced at many of the northern stations, and overcast skies and gloom prevailed generally.

Temperature was below the mean everywhere, the deficit ranging from 3° in the Channel Islands and England S., to 6° in Scotland E. and Ireland S. The highest of the maxima were recorded on the 20th in most parts of England, but later in the week over Ireland and Scotland; they ranged from 53° in the Midland Counties, and above 50° over Ireland and the greater part of England to 46° in Scotland E. and England N.E. The absolute minima (which were extremely low for the time of year in the north) were registered, as a rule, on the 18th and ranged from 4° in Scotland E., 5° in Scotland N., and from 13° in England N.E., 15° in the Midland Counties, and 19° in England N.W. and S.W., to 24° in Ireland S., and to 33° in the Channel Islands.

Rainfall exceeded the mean in Scotland E., England E., S. and S.W., and in the Channel Islands, and just equalled it in England N.E. and the Midland Counties. In other districts the fall was less than the normal.

Bright Sunshine was very deficient, the percentage of the possible duration ranging from 24 in England E. and S., and the Channel Islands to 15 in the Midland Counties, and to 10° in Scotland E., England N.E. and Ireland N.

Barometer and Wind.—During the earlier half of the period a depression, which approached our south-western coasts from the north-westward, moved slowly and very erratically over the south-west and west of England. This system caused strong Easterly and North-Easterly winds and gales over our northern districts, moderate or fresh Southerly and South-Easterly winds in the south-east and east and strong Northerly breezes in the west. No other depressions appeared directly over the United Kingdom, but a disturbance travelling north-eastwards over France caused the Easterly wind to increase in force generally, especially on our southern and south-eastern coasts.

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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 67 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	44	23	40·9	32·3	36·5	− 2·3	0	39	5	0·31	− 0·27	*	*	*	*
	Stornoway	46	18	43·6	29·9	36·6	− 3·3	4	42	3	0·20	− 0·30	23·7	− 0·3	28	− 1
	Wick	46	10	41·6	31·7	36·5	− 3·3	0	39	7	0 82	+ 0·40	*	*	*	*
	Lairg Ⓢ	45	5	39·6	27·5	33·4	− 5·2	0	60	7	1·11	+ 0·43	*	*	*	*
	Glencarron Ⓢ	42	11	37·7	27·0	32·2	− 6·4	0	69	6	0·28	− 1·12	*	*	*	*
	Fort Augustus Ⓢ	45	19	40·4	31·0	35·6	− 4·2	0	45	4	0·32	− 0·28	13·1	− 4·9	15	− 6
	Fort William Ⓢ	48	24	43·7	31·6	37·5	− 3·2	5	37	3	0·08	− 1·07	19·9	− 2·5	23	− 4
1. SCOTLAND E.	Nairn	43	12	39·7	25·3	32·3	− 7·8	0	68	7	1·19	+ 0·87	*	*	*	*
	Aberdeen	44	11	40·3	29·3	34·6	− 6·0	0	52	7	1·25	+ 0·75	5·6	− 22·6	7	−27
	Braemar Ⓢ	37	4	35·3	23·1	29·0	− 8·0	0	91	6	1·40	+ 0·90	4·0†	− 22·7†	5†	−27†
	Ochtertyre Ⓢ	46	20	41·6	31·0	36·1	− 4·1	0	41	4	0·94	+ 0·30	*	*	*	*
	Leith	43	26	41·1	32·4	36·6	− 5·0	0	38	6	1·01	+ 0·66	*	*	*	*
	Marchmont Ⓢ	42	15	40·1	29·0	34·4	− 5·2	0	53	5	1·30	+ 0·72	13·8	− 10·2	16	−13
2. ENGLAND, N.E.	Alnwick Castle	?45	16	41·0	30·1	35·4	− 4·6	0	46	3	0·83	+ 0·29	*	*	*	*
	Durham	43	13	39·0	30·5	34·6	− 6·2	0	52	4	0·41	− 0·09	9·4	− 16·9	11	−22
	Shields	44	22	41·3	32·6	36·8	− 4·2	0	36	5	0·78	+ 0·36	*	*	*	*
	Scarborough Ⓜ	45	35	40·9	36·8	38·8	− 2·9	0	22	3	0·20	− 0·24	?	?	?	?
	Spurn Head	46	29	43·7	34·6	39·0	− 2·1	5	26	0	—	− 0·31	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	51	21	45·2	32·4	38·6	− 3·7	9	34	2	0·27	− 0·11	21·1	− 5·3	25	− 7
	Yarmouth	45	27	41·7	34·0	37·7	− 3·2	0	30	2	0·65	+ 0·21	*	*	*	*
	Geldeston	49	23	44·8	33·6	39·0	− 2·9	8	30	2	0·46	+ 0·08	14·8	− 15·1	17	− 19
	Cambridge	51	21	46·9	31·0	38·7	− 3·7	14	40	2	0·32	0·00	18·6	− 10·4	22	− 13
	Felixstowe	45	27	42·8	35·3	38·9	− 2·9	2	23	3	0·50	?	18·2†	?	33†	?
	Rothamsted	50	20	44·1	30·3	37·0	− 4·6	6	41	4	0·61	+ 0·20	18·0	− 10·0	21	− 13
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	53	28	43·7	33·6	38·5	− 3·3	5	30	4	0 23	− 0·17	*	*	*	*
	Loughborough	53	27	43·7	32·0	37·7	− 4·6	5	35	3	0·21	− 0·19	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	48	20	40·4	30·4	35·3	− 5·4	0	47	3	0·23	− 0·20	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	50	24	41·2	31·7	36·3	− 4·8	0	40	3	0·46	+ 0·11	6·4	?	8	?
	Churchstoke Ⓜ	47	19	40·1	28·9	34·3	− 6·8	0	54	4	0·76	+ 0 33	10·6	− 16 2	13	− 19
	Hereford (Belmont) Ⓜ	50	15	40·9	28·7	34·6	− 8·2	0	52	4	0·77	+ 0·37	*	*	*	*
	Cirencester	48	17	42·2	31·3	36·6	− 4·6	1	37	3	0·60	+ 0·11	17·0	− 10·0	20	− 13
	Oxford	51	25	43·9	31·6	37·6	− 4·9	5	37	3	0·38	− 0·01	15·7	− 11·5	18	− 15
5. ENGLAND, S.	London	52	23	45·3	33·1	39·0	− 4·2	9	32	3	0·62	+ 0·26	15·7†	− 4·7†	18†	− 7†
	Cranley Ⓜ												*	*	*	*
	Dungeness	49	25	46·0	36·7	41·2	− 1·2	11	20	4	0·54	+ 0·06	21·6	?	25	?
	Hastings (St. Leonards)	48	28	45·1	36·1	40·5	− 2·3	9	22	3	0·81	+ 0·32	21·6	− 11·2	25	− 14
	Southampton	52	24	46·8	34·4	40·4	− 3·4	13	29	3	0·90	+ 0·42	17·0	− 13 8	20	− 17
	Portland Bill	49	28	45·4	34·6	39·8	− 3·7	10	27	4	0·62	?	*	*	*	*
	Shaftesbury Ⓜ	48	24	41·8	31·5	36·5	− 5·0	0	39	3	1·22	+ 0·76	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	49	24	43·6	31·0	37·3	− 4·6	4	40	2	0·28	− 1·07	*	*	*	*
	Glasgow	42	26	39·7	33·2	36·4	− 4·4	0	39	5	0·19	− 0·37	12·0	− 8·5	14	− 10
	Glenlee Ⓢ	49	21	44·5	30·1	37·1	− 3·2	7	42	3	0·06	− 0·82	*	*	*	*
	Douglas (Isle of Man)	45	27	42·7	34·2	38·3	− 3·6	2	27	4	0·46	− 0·22	25·0	− 5·6	29	− 8
7. ENGLAND, N.W.	Newton Reigny	47	19	41·9	30·6	36·1	− 3·7	0	41	3	0·31	?	26·8	?	32	?
	Stonyhurst	47	27	41·3	33·1	37·1	− 4·3	0	34	5	0·14	− 0·61	17·2	− 7·3	20	− 9
	Blackpool Ⓜ															
	Manchester (Prestwich)	49	27	42·0	33·4	37·6	− 4·2	0	31	3	0·16	− 0·39	10·3	?	12	?
	Liverpool Obsy. (Bidston)	48	25	41·7	31·6	36.5	− 6·3	0	39	4	0·58	+ 0·15	12·4	?	15	?
	Llandudno Ⓜ	46	25	42·1	33·4	37·6	− 6·2	0	29	4	0·30	− 0·18	22·6	− 1·6	27	− 2
	Holyhead	44	28	41·0	34·6	37·7	− 5·9	0	30	3	0·22	− 0·28	*	*	*	*
8. ENGLAND, S.W.	Llandovery	50	19	43·4	28.9	35·9	− 7.2	4	45	5	0·49	− 0·29	*	*	*	*
	Pembroke	50	31	44·3	34·9	39·5	− 4·2	6	26	4	0·45	− 0·08	22·5	− 9·4	26	− 12
	Clifton	49	26	43·1	33·7	38·3	− 4·8	3	29	3	0·79	+ 0·26	*	*	*	*
	Arlington (N. Devon)	49	24	42·9	31·7	37·1	− 3·8	3	35	4	0·61	− 0·17	*	*	*	*
	Cullompton Ⓜ	50	20	44·9	31·5	38·0	− 6·3	8	37	3	1·04	+ 0·56	12·5	−17·0	15	− 20
	Falmouth	50	31	45·6	35·8	40·6	− 4·1	10	24	5	2·24	+ 1·59	19·0	−13·5	22	− 17
	Plymouth	51	26	47·4	34·9	41·0	− 3·9	15	28	6	1·56	+ 0·98	20·7	−11·1	24	− 14
9. IRELAND, N	Malin Head	44	27	41·7	35·1	38·3	− 4·6	0	26	2	0·06	?	*	*	*	*
	Londonderry	52	22	46·1	31·1	38·4	− 4·6	11	40	6	0·28	− 0·39	*	*	*	*
	Edenfel (Omagh)	48	25	42·9	31·1	36·9	− 4·1	3	38	2	0·17	− 0·43	*	*	*	*
	Blacksod Point	45	26	42·9	33·3	38·0	− 6·1	3	30	6	0·39	?	*	*	*	*
	Markree Castle	46	24	42·7	30·2	36·3	− 6·4	2	41	3	0·16	− 0·44	12·6	−11·5	15	−14
	Armagh	45	27	41·9	31·9	36·8	− 5·0	0	36	3	0·26	− 0·18	4·4	−19·4	5	−23
	Donaghadee	45	27	42·1	35·0	38·5	− 4·6	0	24	4	0·17	− 0·33	*	*	*	*
10. IRELAND, S.	Dublin	45	30	42·2	35·2	38·6	− 5·5	1	23	6	0·63	+ 0·16	4·9	−24·1	6	−29
	Parsonstown	46	24	40·9	30·1	35·3	− 7·5	0	47	5	0·42	− 0·12	8·2	−18·0	10	−22
	Kilkenny	46	26	41·3	32·0	36·5	− 7·3	0	39	2	0·62	+ 0·12	*	*	*	*
	Roche's Point	51	32	45·3	34·6	39·8	− 5.3	9	27	2	0·27	− 0·46	*	*	*	*
	Valencia	52	30	45·6	34·4	39·8	− 6·6	10	28	4	0·26	− 0·54	30·8	− 0·2	36	− 1
	Killarney	52	24	46·3	31·7	38·8	− 6·1	12	38	4	0·32	?	*	*	*	*
	Foynes	50	30	44·2	33·6	38·7	− 4·9	6	30	1	0·15	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	50	34	46·4	37·9	42·0	− 4·3	12	11	4	1 01	+ 0·49	16·4	?	19	?
	Jersey	52	33	47·9	39·1	43·4	− 2·2	22	8	3	0·81	+ 0·24				

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

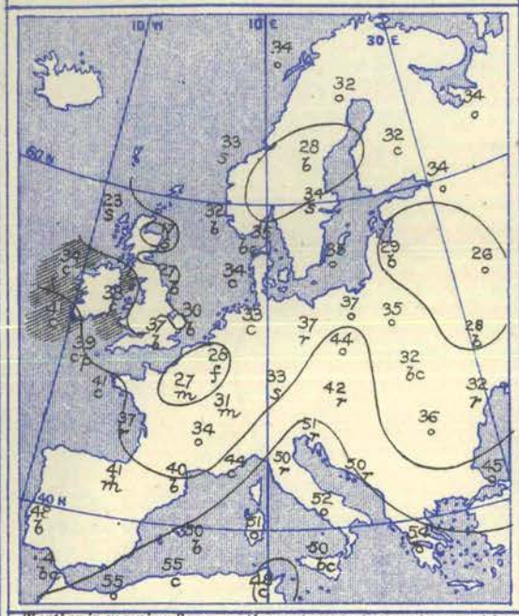
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 18th March.

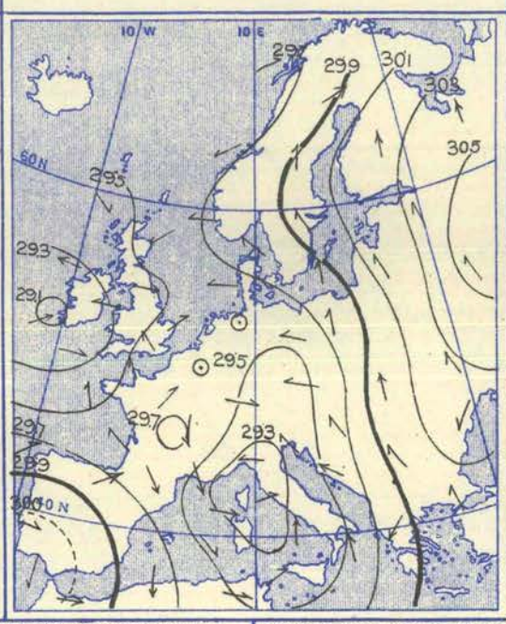
Temperature and Weather. 8 a.m.

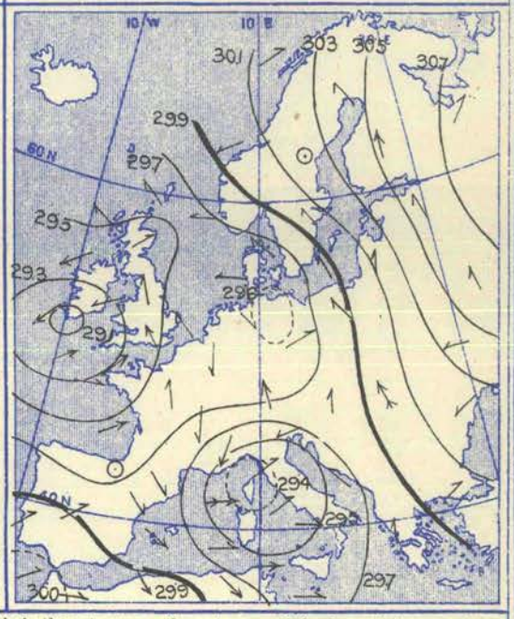


Weather in morning fine over the eastern and central parts of Great Britain generally, but snow reported at Aberdeen. Cloudy or dull in nearly all other parts of Europe, with rain over the Adriatic and the south-west of France, as well as at Naples and Berlin; snow falling at several stations in Ireland and the north of Scotland, and also at Stockholm and Christiansund. Snow or sleet falling later in many parts of the United Kingdom, and also in the south of Scandinavia, and rain in Germany and the north and west of France.

Temperature risen in Ireland and the south of England, as well as in Germany and Austria; fallen elsewhere. Morning readings highest, 59° at Palermo, 57° at Oran, and 55° at Nemours and Algiers; above 50° at most of the Mediterranean and Adriatic stations. Lowest, (1) 17° at Aberdeen, 19° at Nairn, and 23° at Stornoway; below the freezing point over the northern and central parts of Great Britain generally; (2) 23° at Moscow, and 28° at Kiev. Daily maxima below 40° at several of our own western and northern stations, and below 45° over the United Kingdom generally. Thermometer exceeding 55° in many parts of southern Europe, and reaching 70° at Palermo. Hard frost occurring over central Scotland at night.

Barometer and Wind. 8 a.m. and 6 p.m.



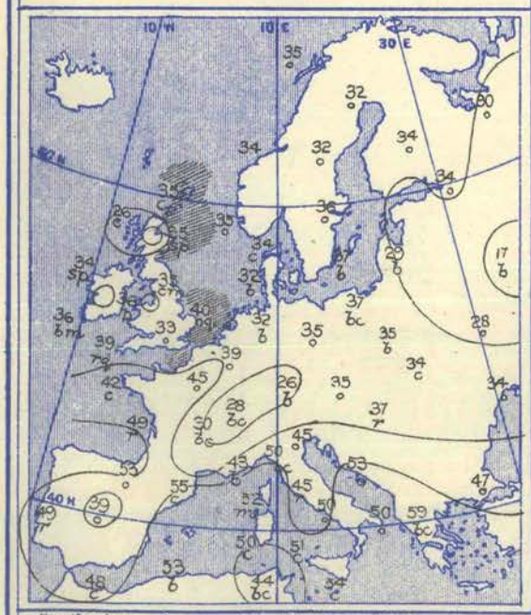


Wind Westerly or South-Westerly in the extreme south-west of our Islands, and also over the Spanish Peninsula; light to moderate from the South-Eastward over England and the northern parts of France and Ireland; Easterly over Denmark, north Germany, and the south of Scandinavia; variable in Scotland. Southerly over Sweden and the northern and central parts of Russia. South-Easterly over Austria and the Adriatic; South-Westerly over central Italy. North-Westerly in the south of France. Subsequently shifting to the North-Eastward in the south of Ireland; no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards in an anticyclone over central Russia; 30·4 ins. and upwards in another system over the southern parts of the Spanish Peninsula. Lowest, 29·1 ins. and less in a depression with its centre near Valencia (Ireland); 29·3 ins. and less in another disturbance over northern Italy. Irish depression subsequently moving slowly south-eastwards; disturbance over Italy remaining almost stationary, but splitting into two portions—one moving eastwards over the Adriatic.

Monday, 19th March.

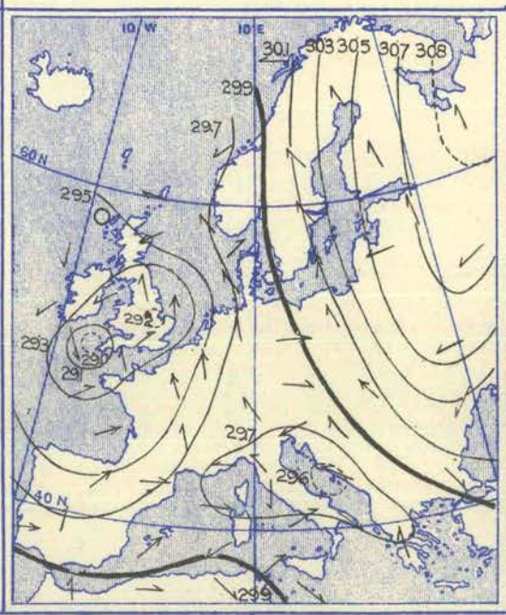
Temperature and Weather. 8 a.m.

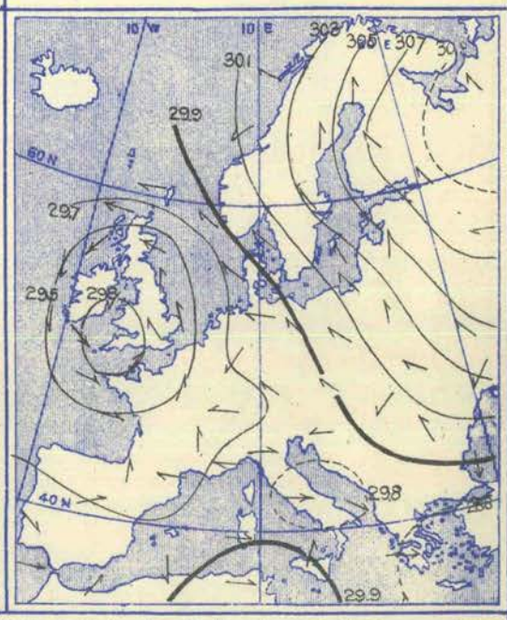


Weather in morning very changeable in our Islands, with snow in the east of Scotland, and rain in the extreme south of England. Fine over Denmark, western and southern Germany, northern Italy, and the south-east of France, as well as in western Russia; cloudy or dull in other parts of the Continent, with rain in isolated parts of France, Portugal, south Germany, and Austria, and snow at Karlstad, Swinemunde, and Prague. Rain falling later in nearly all parts of western Europe—heavily in the extreme south of France. Thunder occurring at Jersey, and lightning (at night) at Blacksod Point.

Temperature risen over north-western and northern Europe as a whole, but fallen in most regions. Morning readings highest, 59° at Athens, 58° at Palma, 56° at Patras, and 55° at Barcelona; above 50° at most of the Mediterranean and Adriatic stations. Lowest, (1) 17° at Moscow, 27° at Hangö, and 23° at Kiev; (2) 18° at Nairn, 26° at Stornoway, and 29° at Parsonstown and Liverpool. Daily maxima below 40° in the north-east of Scotland, and below 45° in the western and northern parts of the United Kingdom generally. Thermometer rising to 55° or more in many parts of southern Europe, and touching 63° at Barcelona and Palermo

Barometer and Wind. 8 a.m. and 6 p.m.



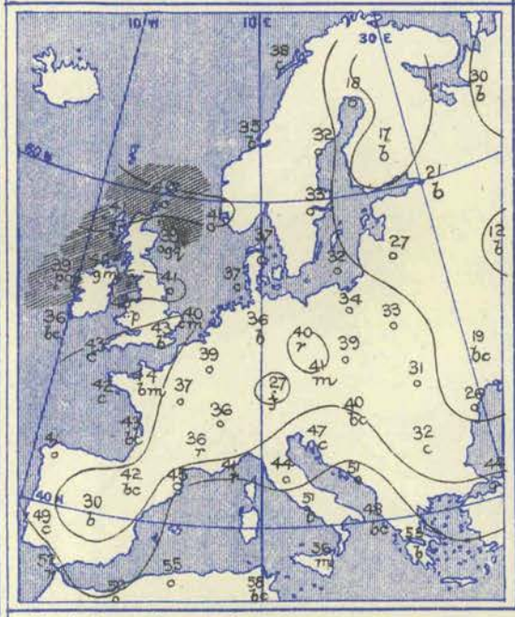


Wind moderate to fresh from the South-Westward or Southward over Spain, France, and the south-eastern parts of England; moderate from the South-Eastward over northern Europe generally; fresh from the Eastward in Scotland, and from the North-Eastward or Northward on our western coasts. Variable in Italy and Austria; Easterly or North-Easterly in the south of Russia. Subsequently increasing to a gale from the Eastward in the east of of Scotland; veering to the Westward in the west of France.

Barometer highest, 30·8 ins. and upwards over northern Russia; 30·2 ins. and upwards in an anticyclone lying over the whole of Russia and the north of Sweden. Lowest, 29·0 ins. and less in a well-marked depression with its centre off the south of Cornwall. Small secondary disturbances lying over the north and east of England. Depression off Cornish coasts subsequently moving slowly north-eastwards; secondary disturbances all dispersing.

Tuesday, 20th March.

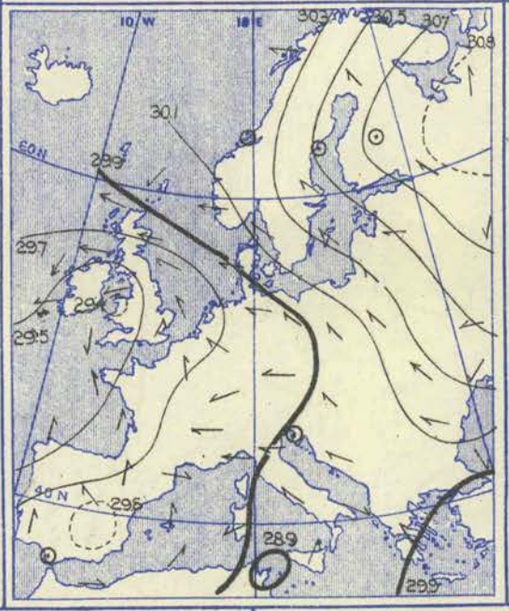
Temperature and Weather. 8 a.m.

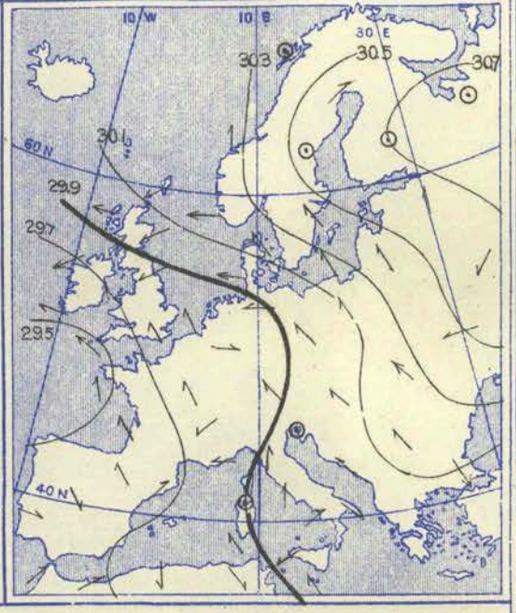


Weather in morning very changeable in our Islands, with showers in several places, sleet at Nairn, and snow at Parsonstown; lightning reported at Roche's Point. Fine in the west of France and also in Russia and Italy, but cloudy or dull in most other parts of the Continent, with rain over north Germany and the south-east of France as well as at San Fernando, and snow at Karlstad. Rain falling later in the west and north of our Islands generally, and also in France, Spain and northern Italy—heavily at Brest and Nice.

Temperature risen in our Islands and also in Norway, Denmark and Germany, fallen in most other countries. Morning readings highest, 58° at La Calle and 57° at Palma and Tunis, above 50° at most of the Mediterranean stations. Lowest, 12° at Moscow, 15° at Kharkov, 17° at Kuopio, and 18° at Haparanda; below the freezing point over Sweden and Russia generally and also over the central parts of Ireland and Spain. Rising during day to 50° and upwards at the inland stations in England, and also in many parts of France; exceeding 60° over Spain and southern Italy.

Barometer and Wind. 8 a.m. and 6 p.m.



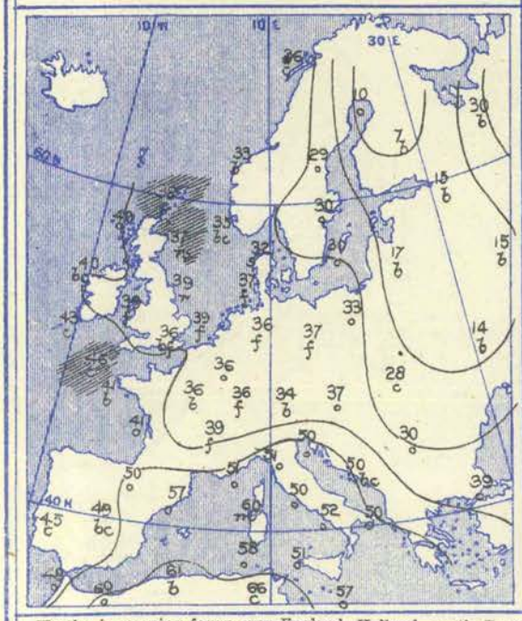


Wind light to fresh from the South-Eastward over the northern and central parts of the Continent, strong from the Eastward on our own northern coasts, with a gale at Wick, slight from the Northward in the extreme south-west of our Islands. Light to moderate from the Southward over France, the Spanish Peninsula and Algeria; variable in Italy. Subsequently shifting to the Eastward in the south-west of our Islands, and blowing strongly at Scilly; backing to South-East in the west of France.

Barometer highest, 30·8 ins. and upwards over northern Russia, 30·2 ins. and upwards in an anticyclone covering nearly the whole of northern and eastern Europe. Lowest, 29·4 ins. and less in a depression with its centre over Cardigan Bay. Depression subsequently moving in a south-western direction across our south-west coasts, but new disturbance appearing over the southern parts of the Bay of Biscay.

Wednesday, 21st March.

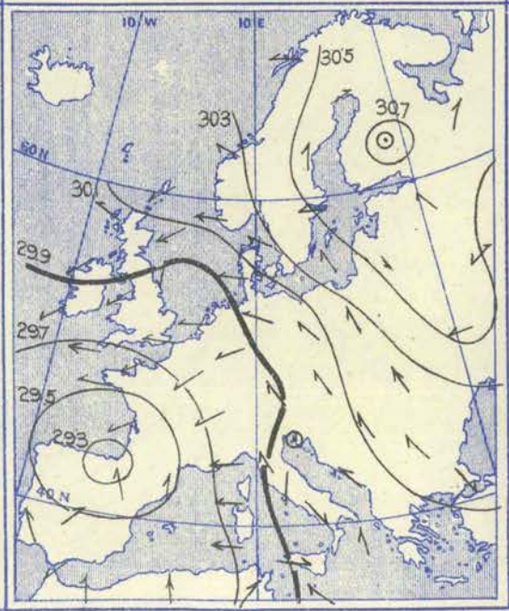
Temperature and Weather. 8 a.m.

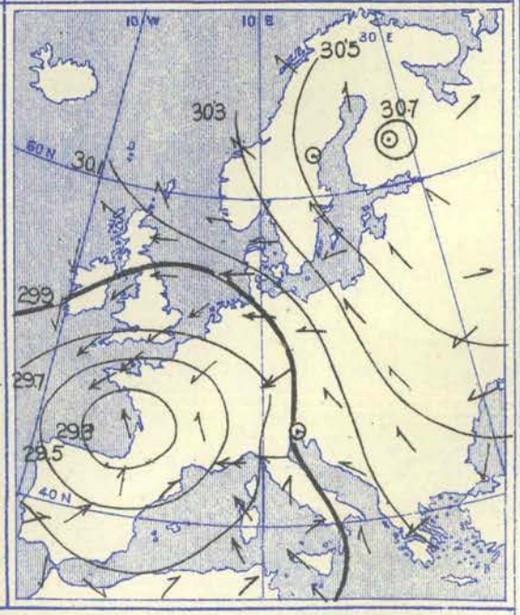


Weather in morning foggy over England, Holland, north Germany, and the east of France. Fine on several parts of our own southern coasts, as well as over south Germany, Russia, and the west of Norway; cloudy or dull in most other parts of Europe, with rain on the north-east coasts of Great Britain, and also over northern Italy and the extreme south of France; snow falling at some stations in the north of Denmark and the south of Scandinavia. Rain falling later in most parts of Great Britain, France, and Spain—heavily at Nice.

Temperature fallen over Great Britain and the northern and central parts of the Continent; changed irregularly elsewhere. Morning readings highest, 66° at La Calle, 61° at Algiers, and 65° at Nemours and Sanguinaire; above 55° at several of the Mediterranean stations. Lowest, 7° at Kuopio, 10° at Hernösand, and 14° at Helsingfors and Kiev; below the freezing point over Sweden and Russia generally, and also in some parts of central England. Daily maxima below 49° in the north of Scotland, but thermometer reaching 50° or more on our south-west coasts; exceeding 60° in many parts of southern Europe, and reaching 64° at Rome, and 72° at Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.





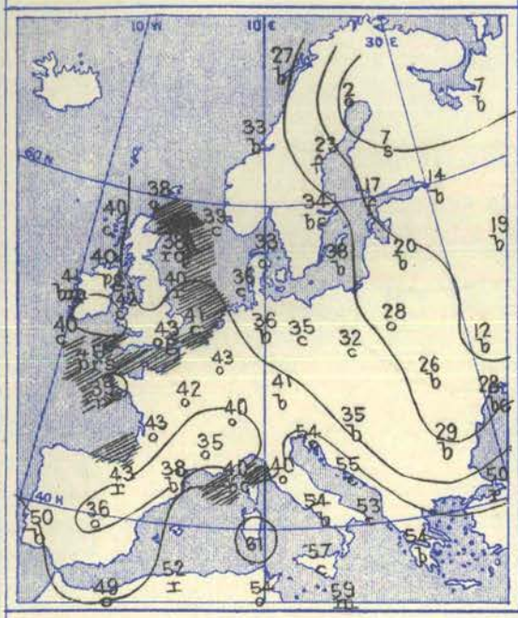
Wind Easterly or North-Easterly over western Europe generally; light or moderate in force in most places, but fresh or strong in the north-east of Scotland and the south of Norway, as well as on some parts of our south-west coasts; South-Easterly over Germany, Denmark, and the Baltic; Southerly over the Gulf of Bothnia. Variable in Italy. Southerly over the Spanish Peninsula and the extreme south of France. Subsequently increasing to a moderate to fresh gale from the North-Eastward over the English Channel; no important change occurring elsewhere.

Barometer highest, 30·74 ins. at Kuopio; 30·2 ins. and upwards in an anticyclone covering the whole of Scandinavia and Russia. Lowest, 29·3 ins. and less in a well-marked depression with its centre near Biarritz. Depression subsequently moving slowly northwards, and barometer falling in most parts of western Europe.

Thursday, 22nd March.

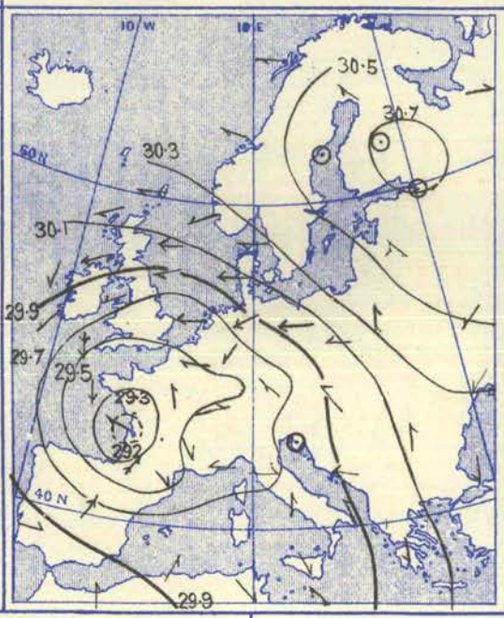
Temperature and Weather.

8 a.m.

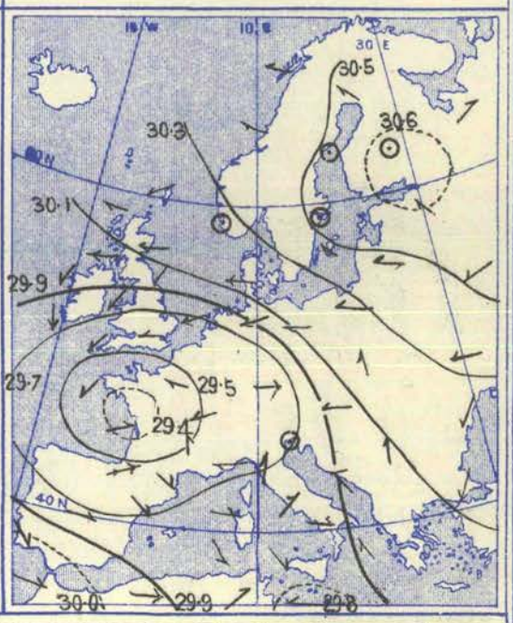


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain in many parts of Great Britain and France as well as at Leghorn and at some of the Algerian stations. Fine in the west of Norway and also over Russia, the Baltic, Austria, and the extreme south of France. Rain falling later in the west and north of our Islands generally, and also in France, Italy, and south Germany, heavily at Biarritz, where a thunderstorm occurred.

Temperature risen in all the more northern and eastern parts of our Islands, fallen in most other localities. Morning readings highest, 61° at Cagliari, 59° at Malta and 58° at La Calle, above 50° at the Mediterranean, Adriatic, and Spanish coast stations generally. Lowest, 2° at Haparanda, 7° at Uleaborg, Kuopio, and Archangel, 12° at Kiev, and 13° at Helsingfors, and below the freezing point over northern and eastern Europe generally. Daily maxima below 40° at some of the Scotch stations, and below 45° on all but our south-west coasts; thermometer exceeding 55° in many parts of France and Germany, and reaching 61° at Munich; exceeding 60° also over the southern parts of Spain and Italy.

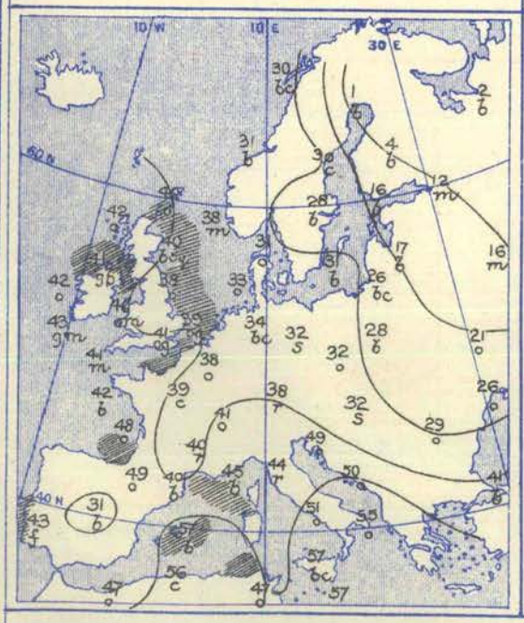
Wind Easterly or North-Easterly over north-western and northern Europe generally, and strong in force over the North Sea and many parts of the British coasts, with a gale (from the Northward) at Scilly. Westerly or South-Westerly over the Spanish Peninsula and the south of France, with a gale at Biarritz. Southerly in Italy; South-Easterly in Austria. No important change occurring during day.

Barometer highest, 30·7 ins. and upwards over eastern Finland; 30·4 ins. and upwards in an anticyclone lying over nearly the whole of Russia and Scandinavia. Lowest, 29·2 ins. and less in a well-marked depression off the west of France, with its centre near Rochefort; gradients rather steep over western Europe generally. Depression subsequently moving slowly northwards but becoming shallower.

Friday, 23rd March.

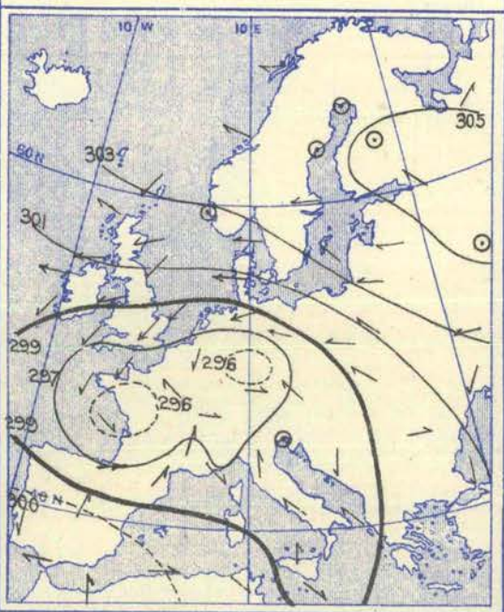
Temperature and Weather.

8 a.m.

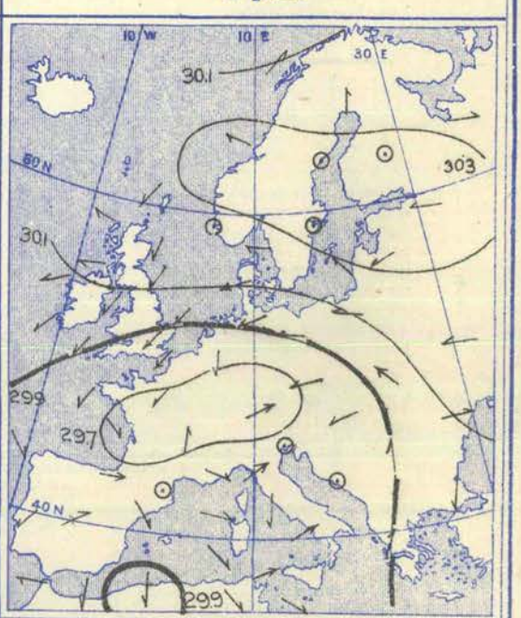


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning dull over the greater part of our Islands and the Continent, with rain over western Germany and central France, and snow in Austria, as well as at Berlin and Nicolaieff. Fine in many parts of Scandinavia and northern Russia, and also over the Spanish Peninsula. A little rain falling later in Scotland, and larger amounts at some of the Continental stations.

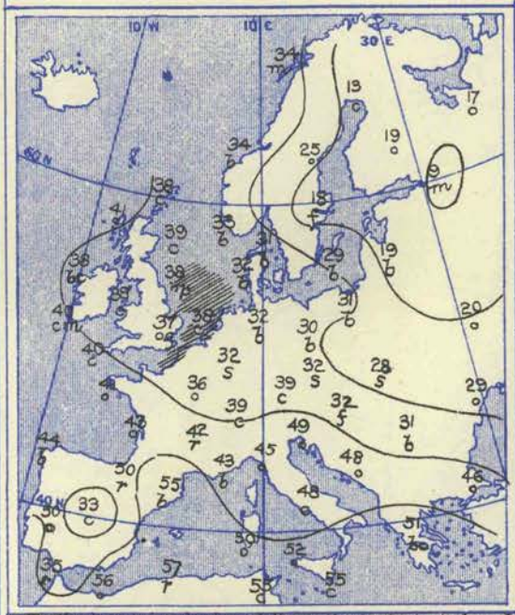
Temperature changed rather irregularly, but fallen in most of the central countries. Morning readings highest, 57° at Palma, Palermo, Malta and Oran, and 56° at Algiers; above 50° at most of the Mediterranean stations. Lowest, 1° at Haparanda, 2° at Archangel, 4° at Kuopio, and 12° at St. Petersburg; below the freezing point over northern and eastern Europe generally, and below 40° in many parts of Great Britain. Thermometer remaining below 40° all day at some of our eastern and central stations, but exceeding 45° on our south and south-west coasts; exceeding 53° in the west and south of France, and exceeding 60° in many parts of Spain and southern Italy.

Wind Easterly or North-Easterly over north-western and northern Europe generally, and strong in force in the east and south-east of England, as well as in Denmark and north Germany. Variable over the Spanish Peninsula; Westerly or South-Westerly over the southern parts of France; South-Easterly in Italy, Austria and eastern Germany. Light and variable in Russia; calm in the Gulf of Bothnia. No important change occurring during day.

Barometer highest, 30·5 ins. and upwards over the northern and central parts of Russia; 30·2 ins. and upwards in an anticyclone covering the whole of northern and eastern Europe and extending westwards over the north of Scotland; 30·0 ins. and upwards in another system over Algeria and the southern parts of the Spanish Peninsula. Lowest, 29·6 ins. and less in two depressions—one lying over south Germany and the other over the western and central parts of France. Anticyclone in north beginning to disperse later; depressions over France and Germany gradually filling up.

Saturday, 24th March.

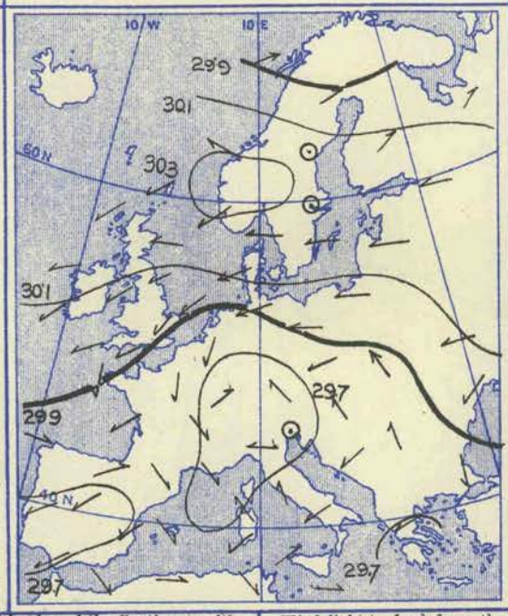
Temperature and Weather. 8 a.m.

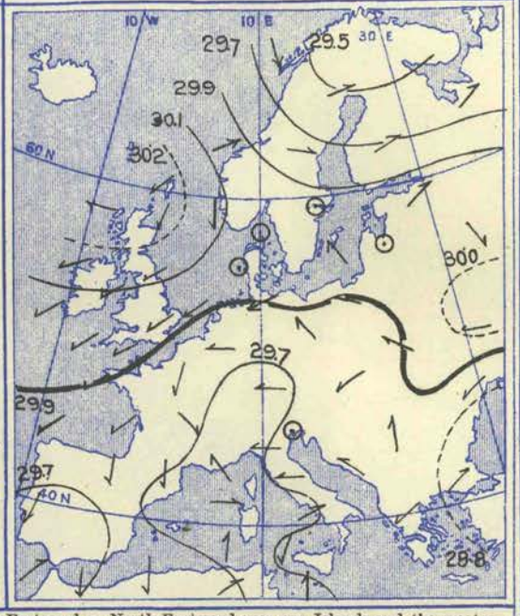


Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with showers of hail or sleet over eastern and central England. Rain falling at some of the French and Italian stations, and snow at Brussels as well as in the eastern parts of Germany and Austria. Fine over Denmark, the Baltic, and the south of Scandinavia. A little rain falling later in the north of Scotland, and larger amounts at isolated stations in southern Europe; no important change occurring elsewhere.

Temperature fallen in most places. Morning readings highest, 57° at Algiers, 55° at Barcelona, Malta and Sfax, and 54° at Oran; above 50° at several of the Mediterranean stations. Lowest, 9° at St. Petersburg, 11° at Helsingfors, 13° at Haparanda, and 14° at Hangö; below the freezing point over northern and eastern Europe generally, and very little above it over central England. Daily maxima below 40° over eastern and central England, and below 45° in nearly all other parts of the United Kingdom; thermometer exceeding 55° in the south of France, and exceeding 60° over Spain and southern Italy. Slight frost occurring at night over the northern and central parts of Great Britain.

Barometer and Wind. 8 a.m. 6 p.m.





Wind light to fresh from the Eastward or North-Eastward over our Islands and the greater part of the Continent. Westerly or North-Westerly in the extreme south of France; variable in Italy and Austria; calm in the Gulf of Bothnia. No important change occurring over western Europe during day, but wind falling calm in Denmark.

Barometer highest, 30·3 ins. and upwards over the southern parts of Norway; 30·2 ins. and upwards in an anticyclonic band stretching from central Russia across the south of Scandinavia to Scotland and the northern parts of the Atlantic. Lowest, 29·7 ins. and less in a large shallow depression over south Germany and the east and south-east of France, and also in another system over the southern parts of the Spanish Peninsula; 29·9 ins. and less in the north of Scandinavia—brisk fall of barometer taking place later in Scandinavia, and large depression advancing from the northward.

GENERAL NOTES.

Throughout the earlier part of last week barometrical pressure was highest in an anticyclone lying over Sweden and Russia, and lowest in a depression which moved in a very irregular path over our own south-western and western coasts. The latter system occasioned rain or sleet over nearly the whole of western Europe, with a cyclonic circulation of wind—strong in force at first, but moderating later on all but our extreme northern coasts, where an Easterly gale blew on the 19th and 20th. At the commencement of the week another depression was situated over northern Italy and the Gulf of Genoa, but this afterwards dispersed quickly.

After the 20th the anticyclone spread westwards over the whole of Scandinavia, and eventually over our own northern districts, Easterly winds (South-East to North-East) setting in over all but the southern parts of Europe, and blowing strongly on our own eastern and southern coasts. In the western countries the weather was now influenced by a depression which appeared over the southern part of the Bay of Biscay on the 21st, and afterwards moved very slowly northwards and eastwards, the system finally dispersing over Germany on the 24th. During the progress of this disturbance dull weather prevailed very generally, with occasional slight falls of rain or sleet in our Islands, and with heavier rains over France. At the close of the week the anticyclone in the north was drifting away to the westward, and a large depression was beginning to advance over Scandinavia from the northward or north-westward, increasing Westerly winds being reported over the northern parts of that Peninsula.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 68.

Stations	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	Stations	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	6·3	?	8	?	BRIGHTON	20·6	- 9·9	24	-13
STRATHPEFFER SPA	9·6	-16·8	11	-21	WORTHING	21·1	?	25	?
EDINBURGH	10·3	-12·3	12	-15	BOGNOR	24·1*	?	28*	?
MORPETH	14·5	?	17	?	WATERGATE (Emsworth)	16·5	?	19	?
NEWCASTLE-ON-TYNE	8·0	?	9	?	WESTBOURNE (Emsworth)	24·2*	- 8·3	28*	-12
OSWALDKIRK (Yorkshire)	6·9	-19·8	8	-24	VENTNOR HOSPITAL	20·1	?	24	?
YORK	6·3	-18·7	7	-23	SOUTHPORT	22·2	?	26	?
LOWESTOFT	17·0	?	20	?	RHYL	24·5*	?	29*	?
HOLLESLEY BAY	23·5	?	28	?	COLWYN BAY		?		?
SHEFFIELD	9·9	?	12	?	ABERDOVEY	18·9*	?	22*	?
WORKSOP	13·3	-10·7	16	-13	TENBY	21·0	-13·5	25	-16
THURCASTON (Leicestershire)	15·9	- 7·1	19	- 9	NEWQUAY				
MARGATE	21·3	- 7·2	25	- 9	TORQUAY	19·1	-13·9	22	-18
EASTBOURNE	21·1	-11·6	25	-14	GUERNSEY	24·9*	-10·6	29*	-14

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

Date of Report.	Name of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°							
Week ending Jan. 13th, 1900 ..	Lairg	45	30	42·6	33·2	38·1	+1·9	2	33	7	0·86	+ 0·06	—	—	—	—
,, ,, ,, ,, ,, ..	Jersey	—	—	—	—	—	—	—	—	—	—	—	22·1	+ 7·1	37	+ 11
,, ,, ,, ,, ,, ..	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	14·0	—	26	—
,, ,, ,, 20th, ,, ..	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	7·8	- 0·8	14	- 2
,, ,, ,, 27th, ,, ..	Ventnor Hospital	—	—	—	—	—	—	—	—	—	—	—	8·5	?	14	?
,, ,, ,, ,, ,, ..	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	8·0	?	14	?

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 13.] *Third Series.* WEEK ENDING SATURDAY, MARCH 31ST, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 74.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. or the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	54	20	42·8	29·5	36·0	4 below	2	−11	43	+10	42	−57	562	+64
	1. SCOTLAND, EAST -	57	19	43·8	28·5	35·9	5 below	5	−13	47	+14	51	−82	608	+77
	2. ENGLAND, N.E. -	51	26	42·7	30·7	36·5	5 below	2	−17	39	+11	58	−77	463*	+ 1
	3. ENGLAND, EAST -	53	22	43·4	29·4	36·2	7 below	4	−19	44	+14	106	−62	461	−61
	4. MIDLAND COUNTIES	54	21	44·3	28·8	36·3	6 below	6	−22	46	+15	99	−84	491	−29
	5. ENGLAND, SOUTH -	51	25	44·8	30·8	37·6	6 below	8	−18	40	+16	172*	−27	359*	−58
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	54	22	44·9	30·0	37·2	5 below	8	− 9	42	+17	84	−61	455	+74
	7. ENGLAND, N.W. -	54	24	43·8	31·5	37·4	6 below	5	−14	36	+12	79	−63	407*	+19
	8. ENGLAND, S.W. -	55	20	45·7	31·4	38·3	6 below	10	−15	38	+19	191	−35	308	− 8
	9. IRELAND, NORTH -	55	26	46·8	33·4	39·9	4 below	13	−10	32	+10	108	−86	397	+66
	10. IRELAND, SOUTH -	55	24	47·7	33·4	40·3	5 below	16	−13	32	+15	185	−96	366	+112
	—CHANNEL ISLANDS-	52	33	46·8	36·9	41·8	5 below	13	−17	21	+14	338	+39	95	−44

Rainfall.

	DISTRICTS. (See p. 74.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	5	3	4 less	66	+ 1	11·8	− 2·1
	1. SCOTLAND, EAST -	3	3	2 less	54	+ 5	8·8	+ 1·3
	2. ENGLAND, N.E. - -	4	4	1 less	54*	+ 7	8·0*	+ 2·5
	3. ENGLAND, EAST -	3	2	2 less	55	+ 9	7·7	+ 2·4
	4. MIDLAND COUNTIES	2	2	3 less	50	+ 6	8·9	+ 2·8
	5. ENGLAND, SOUTH -	2	1	3 less	50	+ 7	9·4	+ 2·7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	2	3	5 less	54	0	12·3	− 2·2
	7. ENGLAND, N.W. -	2	3	3 less	52	+ 3	9·3	+ 1·5
	8. ENGLAND, S.W. - -	2	3	4 less	56	+ 6	13·6	+ 3·3
	9. IRELAND, NORTH -	3	3	3 less	60	+ 3	8·3	− 0·1
	10. IRELAND, SOUTH -	3	4	2 less	56	+ 4	10·0	− 0·1
	— CHANNEL ISLANDS-	4	5	1 less	65	+10	12·6	+ 4·0

Bright Sunshine.

	DISTRICTS. (See p. 74.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	34	+ 7	38	+ 7	195*	+30	23	+ 3
	1. SCOTLAND, EAST -	32	+ 5	35	+ 4	196	−13	23	− 2
	2. ENGLAND, N.E. - -	31	+ 4	35	+ 3	180	−31	20	− 4
	3. ENGLAND, EAST -	40	+ 8	45	+ 7	232	−26	24	− 3
	4. MIDLAND COUNTIES	29	+ 7	33	+ 8	178	−20	22	− 3
	5. ENGLAND, SOUTH -	34	+ 1	39	+ 1	218	−30	24	− 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	30	+ 2	35	+ 2	218	+19	25	+ 2
	7. ENGLAND, N.W. -	37	+13	42	+14	216	+13	25	+ 2
	8. ENGLAND, S.W. - -	44	+ 9	50	+10	250	−16	28	− 2
	9. IRELAND, NORTH -	31	+ 5	36	+ 6	235	+31	27	+ 4
	10. IRELAND, SOUTH -	35	+ 4	39	+ 2	256	+10	29	+ 1
	— CHANNEL ISLANDS-	43	+ 9	49	+ 8	250*	−50	28	− 5

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties. England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was fine and dry over the Kingdom as a whole, but slight falls of cold rain, sleet or snow occurred frequently in the extreme north and north-east, and about the middle of the week similar phenomena were experienced in nearly all parts of the country.

Temperature was again much below the mean, the deficit ranging from 4° in Scotland N. and Ireland N., to 6° over the greater part of England, and to 7° in England E. The highest of the maxima were registered either on the 30th or 31st, when they ranged from 57° in Scotland E., and 55° in Ireland and in England S.W., to 51° in England S. and N.E. The lowest of the minima were recorded, as a rule, during the latter part of the week. They varied between 19° in Scotland E., 20° in Scotland N. and England S.W., and 21° in the Midland Counties, to 26° in England N.E. and Ireland N., and to 33° in the Channel Islands.

Rainfall was less than the mean in all districts, and the deficit was considerable except in England N.E. and the Channel Islands.

Bright Sunshine exceeded the mean in all districts. The percentage of the possible duration ranged from 50 in England S.W., 49 in the Channel Islands, and 45 in England E., to 35 in Scotland E. and W., and England N.E., and to 33 in the Midland Counties.

Barometer and Wind.—The distribution of pressure during this period was mainly anticyclonic, and the winds were light or moderate from between North-West, North, and East. This condition was, however, interrupted for a time after Monday by a shallow disturbance which appeared off the north-west of Scotland, and by another system which advanced south-westwards over the North Sea. At the end of the week the barometer was falling on all our western coasts, and the wind in those regions had shifted to the Southward and increased somewhat in force.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 73 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	42	26	39·4	29·3	34·2	− 5·1	0	55	5	0·45	− 0·10	*	*	*	*
	Stornoway	50	29	44·1	31·9	37·8	− 2·8	6	35	6	0·51	− 0·25	34·2	+ 8·1	38	+ 7
	Wick	47	27	42·9	31·6	37·1	− 3·3	3	36	6	0·31	− 0·09	*	*	*	*
	Lairg §	51	20	41·9	25·4	33·4	− 6·1	0	60	6	0·47	− 0·19	*	*	*	*
	Glencarron §	51	22	42·0	28·4	35·0	− 4·6	0	49	4	0·30	− 0·98	*	*	*	*
	Fort Augustus §	54	26	45·0	29·6	37·1	− 3·5	8	44	4	0·21	− 0·30	27·2	+ 7·4	31	+ 9
	Fort William §	52	28	44·6	30·0	37·1	− 4·4	7	42	2	0·07	− 0·93	35·6	+11·0	40	+11
1. SCOTLAND E.	Nairn	54	21	43·9	27·9	35·7	− 5·2	5	49	5	0·28	− 0·02	*	*	*	*
	Aberdeen	46	29	42·3	31·7	36·8	− 4·5	1	35	4	0·29	− 0·21	38·5	+ 8·5	43	+ 8
	Braemar §	45	19	38·3	23·4	30·6	− 7·3	0	80	3	0·39	− 0·10	25·8†	− 2·0†	29†	− 3†
	Ochtertyre §	57	26	48·3	28·4	38·1	− 3·1	18	50	2	0·27	− 0·38	*	*	*	*
	Leith	49	28	45·3	30·3	37·6	− 4·8	9	42	2	0·05	− 0·35	*	*	*	*
	Marchmont §	52	25	44·6	29·1	36·6	− 3·7	7	45	4	0·44	− 0·14	40·0	+14·5	45	+15
2. ENGLAND, N.E.	Alnwick Castle	48	26	43·1	29·9	36·3	− 4·4	3	42	4	0·33	− 0·22	*	*	*	*
	Durham	51	26	42·9	28·0	35·2	− 6·5	3	48	3	0·47	− 0·04	30·6	+ 3·3	35	+ 2
	Shields	47	28	42·9	30·0	36·3	− 5·4	3	42	4	0·45	+ 0·03	*	*	*	*
	Scarborough ℳ	46	31	41·8	32·5	37·0	− 5·6	0	35	4	0·51	+ 0·06	?	?	?	?
	Spurn Head	48	31	42·7	33·0	37·7	− 4·2	2	31	4	0·14	− 0·20	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	49	24	43·8	29·1	36·2	− 7·2	5	45	3	0·27	− 0·13	39·9	+11·7	45	+ 11
	Yarmouth	44	30	41·3	32·0	36·5	− 5·2	0	39	4	0·21	− 0·24	*	*	*	*
	Geldeston	48	23	43·9	28·3	35·9	− 6·9	5	48	3	0·13	− 0·27	40·2	+ 8·2	46	+ 8
	Cambridge	53	22	45·7	27·8	36·5	− 6·9	10	51	3	0·15	− 0·21	35·4	+ 4·1	40	+ 4
	Felixstowe	45	29	42·8	30·4	36·4	− 6·2	2	40	1	0·18	?	41·9†	?	48†	?
	Rothamsted	49	23	42·9	28·6	35·5	− 7·0	3	46	2	0·15	− 0·30	35·8	+ 5.7	41	+ 6
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	54	28	45·9	29·3	37·4	− 5·4	11	46	3	0·23	− 0·21	*	*	*	*
	Loughborough	54	23	46·0	27·6	36·5	− 6·8	11	51	2	0·28	− 0·15	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle ℳ	50	26	42·8	29·3	35·9	− 5·9	2	44	2	0·27	− 0·28	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	48	27	42·4	30·4	36·2	− 5·8	1	39	2	0·16	− 0·21	9·1	?	10	?
	Churchstoke ℳ	53	21	43·7	26·7	35·0	− 6·8	5	53	2	0·20	− 0·26	38·9	+ 9·9	44	+ 11
	Hereford (Belmont) ℳ	51	25	45·0	28·9	36·7	− 7·2	8	46	2	0·08	− 0·34	*	*	*	*
	Cirencester	49	22	43·6	28·0	35·6	− 6·6	4	49	1	0·10	− 0·40	35·9	+ 6·8	41	+ 7
	Oxford	52	27	45·3	29·9	37·4	− 6·0	9	43	2	0·06	− 0·34	29·2	− 0·1	33	− 2
5. ENGLAND, S.	London	49	28	44·1	31·3	37·5	− 6·7	6	38	1	0·12	− 0·27	18·1†	− 4·9†	21†	− 6†
	Cranley ℳ	50	25	45·4	28·9	36·9	− 6·9	10	46	1	0·01	− 0·33	*	*	*	*
	Dungeness	46	25	44·1	31·0	37·4	− 5·7	6	39	1	0·04	− 0·46	40·7	?	46	?
	Hastings (St. Leonards)	47	29	43·3	31·8	37·4	− 6·4	4	36	4	0·28	− 0·24	37·5	+ 2·5	43	+ 3
	Southampton	51	28	47·3	30·9	38·9	− 5·9	15	41	3	0·11	− 0·37	33·2	− 0·3	38	− 1
	Portland Bill	49	28	45·7	31·1	38·2	− 5·7	10	39	3	0·16	?	*	*	*	*
	Shaftesbury ℳ	49	27	43·5	30·5	36·8	− 5·5	4	40	2	0·12	− 0·36	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	28	45·1	30·1	37·4	− 5·5	9	42	3	0·29	− 0·96	*	*	*	*
	Glasgow	50	29	43·4	31·3	37·2	− 4·4	4	37	2	0·20	− 0·38	22·9	− 0·1	26	0
	Glenlee §	54	22	46·2	26·4	36·0	− 5·0	12	55	2	0·26	− 0·62	*	*	*	*
	Douglas (Isle of Man)	48	28	44·8	32·1	38·3	− 4·4	8	36	2	0·50	− 0·19	37·9	+ 4·4	43	+ 3
7. ENGLAND, N.W.	Newton Reigny	54	24	44·3	26·8	35·3	− 5·3	6	53	3	0·28	?	34·0	?	39	?
	Stonyhurst	48	26	42·8	29·4	35·9	− 6·4	2	43	2	0·22	− 0·51	35·2	+ 8·7	40	+ 9
	Blackpool ℳ	52	27	46·1	29·5	37·6	− 5·2	11	45	3	0·38	− 0·17	45·8	+20·3	52	+ 23
	Manchester (Prestwich)	48	27	42·4	30·0	36·0	− 6 8	1	41	2	0·32	− 0·24	23·5	?	27	?
	Liverpool Obsy. (Bidston)	49	31	43·3	32·6	37.8	− 5·7	4	33	2	0·29	− 0·16	36·9	?	42	?
	Llandudno ℳ	50	35	43·6	37·8	40·5	− 4·2	4	16	1	0·21	− 0·29	36·2	+10·1	41	+ 11
	Holyhead	51	33	44·0	34·3	39·0	− 5·3	6	27	2	0·30	− 0·20	*	*	*	*
8. ENGLAND, S.W	Llandovery	55	20	48·0	25.4	36·4	− 7.4	17	60	2	0·17	− 0·59	*	*	*	*
	Pembroke	48	32	44·4	34·1	39·1	− 5·4	7	28	2	0·14	− 0·39	42·0	+ 7·3	48	+ 8
	Clifton	50	29	45·0	31·1	37·9	− 5·9	8	39	1	0·10	− 0 46	*	*	*	*
	Arlington (N. Devon)	51	27	44·6	29·9	37·0	− 4·4	7	42	2	0·29	− 0·49	*	*	*	*
	Cullompton ℳ	53	26	47·1	29·8	38·2	− 6·8	14	45	1	0·36	− 0·11	40·4	+ 8·9	46	+ 11
	Falmouth	49	31	44·8	35·8	40·2	− 4·9	8	23	4	0·45	− 0·18	44·7	+ 9·7	51	+ 10
	Plymouth	51	29	45·8	33·4	39.4	− 6·4	11	31	3	0·27	− 0·31	43·7	+ 9·7	50	+ 10
9. IRELAND, N	Malin Head	52	36	44·7	36·6	40·5	− 3·0	8	20	3	0·06	?	*	*	*	*
	Londonderry	55	31	49·1	34·3	41·5	− 2·3	20	31	4	0·33	− 0·33	*	*	*	*
	Edenfel (Omagh)	51	28	46·9	31·4	38·9	− 2·9	14	39	2	0·24	− 0·36	*	*	*	*
	Blacksod Point	52	33	46·9	35·6	41·1	− 3·7	14	25	6	0·64	?	*	*	*	*
	Markree Castle	55	26	47·8	30·7	29·0	− 4·6	16	42	3	0·20	− 0·39	33·8	+ 7·5	38	+ 7
	Armagh	52	29	47·1	31·9	39·3	− 3·4	14	38	2	0·15	− 0·30	28·7	+ 2·8	33	+ 4
	Donaghadee	52	29	45·4	32·0	39·0	− 4·9	10	32	3	0·19	− 0·34	*	*	*	*
10. IRELAND, S.	Dublin	53	30	46·9	33·6	40·1	− 4·8	14	32	2	0·16	− 0·32	29·7	− 1·6	34	− 3
	Parsonstown	55	26	47·1	30·6	38·6	− 5·1	14	42	2	0·07	− 0·48	27·2	− 1·6	31	− 3
	Kilkenny	52	24	45·9	31·1	38·3	− 6·3	11	39	3	0·07	− 0·45	*	*	*	*
	Roche's Point	51	34	47·6	36·6	41·9	− 4.0	16	21	2	0·14	− 0·58	*	*	*	*
	Valencia	53	34	48·6	36·9	42·6	− 4·5	26	14	6	1·03	+ 0·23	46·8	+13·3	53	+14
	Killarney	55	24	49·4	30·5	39·7	− 5·7	21	44	3	0·51	?	*	*	*	*
	Foynes	54	31	48·6	34·2	41·2	− 2·8	18	31	3	0·73	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	52	35	47·9	37·9	42·8	− 4·1	23	11	4	0·26	− 0·28	33·6	?	38	?
	Jersey	50	33	45·7	35·9	40·7	− 5·7	10	23	4	0·65	+ 0·08	47 6	+ 9·6	54	+ 9

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

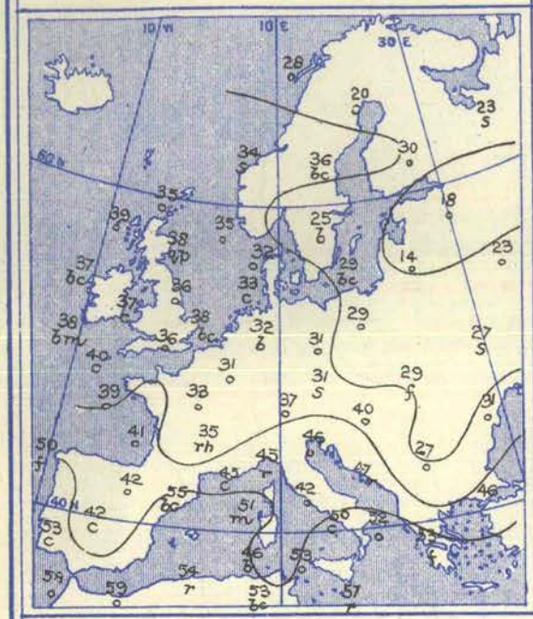
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

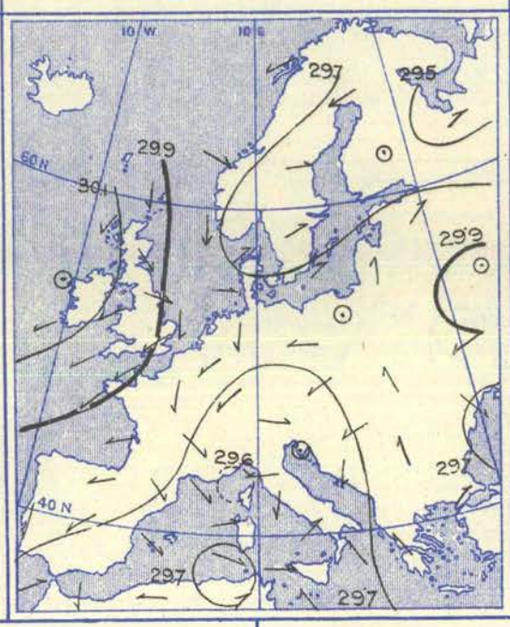
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 25th March.

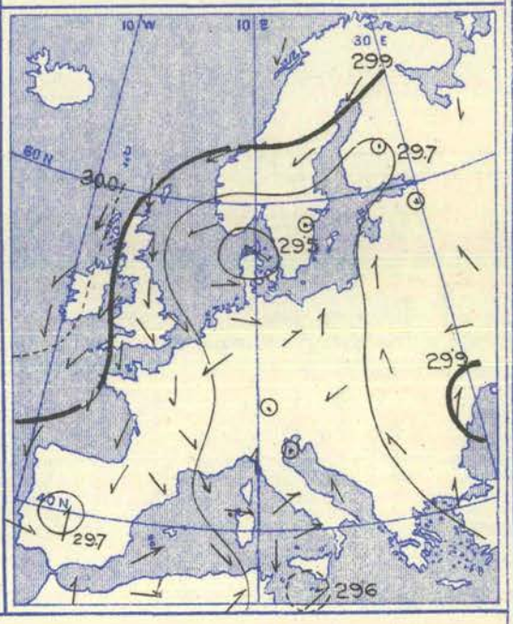
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very variable over different parts of the Continent, somewhat rainy in the south, and snow in places over the central, eastern, and northern countries; fair but dull over Great Britain, fine and bright in the west of Ireland. Very slight showers of snow or cold rain later in Scotland and on our south-west coasts, sporadic showers in other parts of north-western Europe, and considerable rain in south-west and south; graupel at Stornoway and Malin Head.

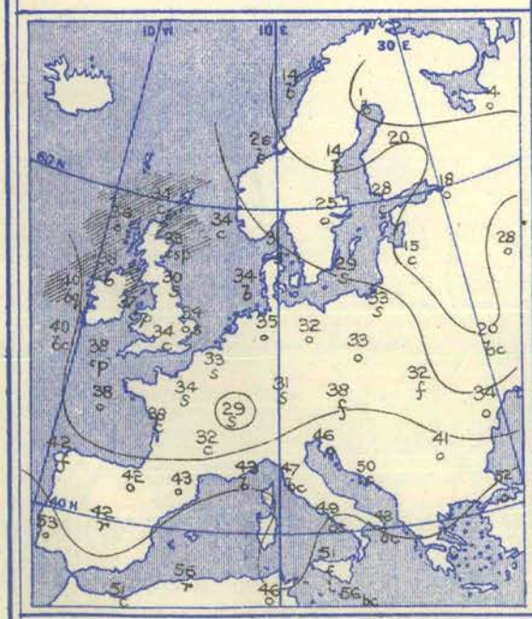
Temperature changing little. Morning readings highest, (1) 57° at Nemours and Malta, and above 50° over all the southern parts of the Mediterranean, 53° at Lisbon, 50° at Corunna, ; (2) 40° at Scilly, Roche's Point and Malin Head, and 35° or more all over our Islands. Lowest, 14° at Riga, 18° at St. Petersburg, 20° at Haparanda, 23° at Archangel and Moscow, 28° at Warsaw, 31° at Madrid and Brussels, 33° at Paris. Rising later to between 40° and 45° over the United Kingdom, to 46° at Rochefort, 55° at Nice, and 61° at Lisbon.

Wind (1) North-Westerly to North-Easterly and moderate in force over the British Islands; (2) North-Easterly in Lapland, Northerly in Norway, but South-Westerly at Stockholm and in Finland; (3) a faint and cyclonic circulation over the northern parts of the Mediterranean. A Northerly wind becoming strong on our north and east coasts later, and the wind at the Mediterranean stations freshening.

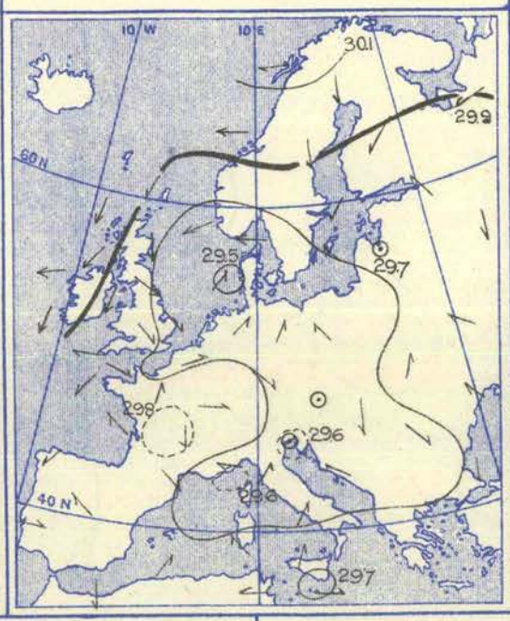
Barometer highest, (1) 30·1 and more to 29·9 ins. over the British Islands and Brittany; (2) 29·9 ins. and more over central Russia. Lowest, 29·5 ins. and less over the White Sea, 29·7 ins. and less over the south of Russia, 29·6 ins. and less over the Riviera. A definite depression forming over Denmark later, and moving south-westwards. Barometer falling all over our Islands, but change not very considerable.

Monday, 26th March.

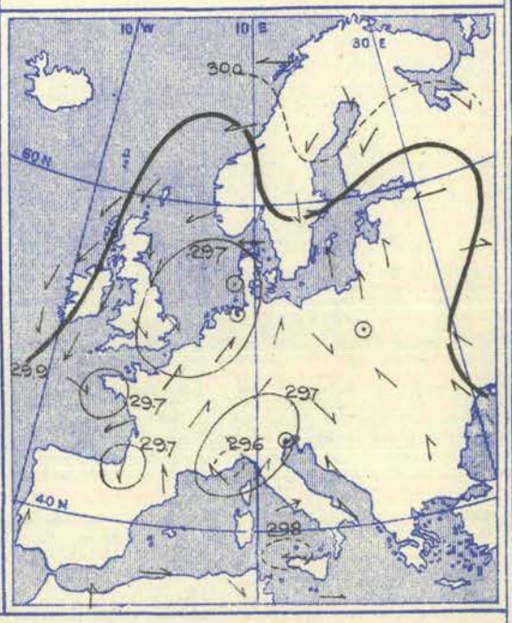
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over northern Europe, fair over the greater part of England, and over central Europe; occasional slight snow in many parts of France and the west of our Islands. Some showers later over the north and north-west of our Islands generally, also in the English Channel and various parts of France—amounts considerable at Jersey and Lorient. Slight graupel in many parts of England—amounts too small to measure.

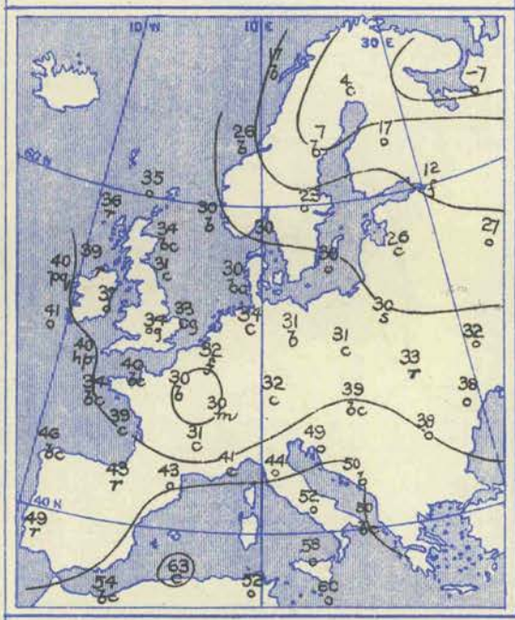
Temperature in morning risen slightly over central Europe, but low generally for time of year. Morning readings highest, 58° to 50° on southern side of Mediterranean, 50° at Rome and Lesina; above 40° over Spain, 40° on the west coast of Ireland. Lowest, 1° Fahr. at Haparanda, 4° at Archangel, 20° at Kuopio, 28° at Moscow, 23° at Kharkov, between 30° and 35° over the major part of central Europe and eastern parts of Great Britain. Rising later to between 40° and 45° over our Islands, and to between 50° and 55° in the west and south of France

Wind North-Easterly and Easterly over northern Europe, strong at the Scaw, North-Easterly to Northerly over Scotland and Ireland, North-Westerly over England and the Channel. Very variable and light over Spain and central Europe. Southerly over Holstein and Saxony. A cyclonic circulation of rather strong winds over the north-eastern parts of the Mediterranean. Hardly any change over north-western Europe and our Islands later.

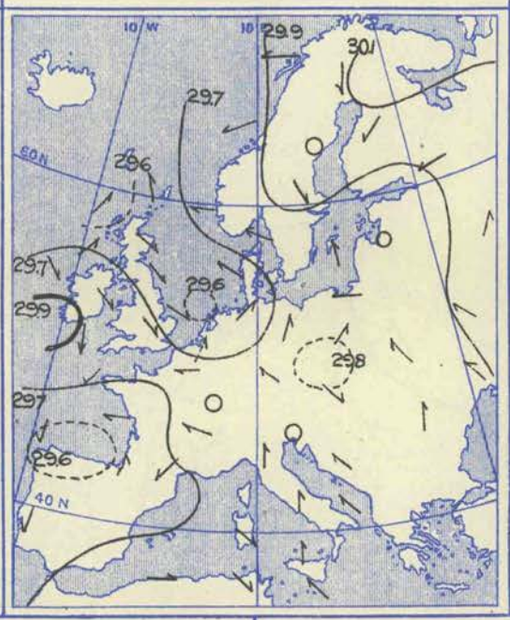
Barometer highest, (1) 30·12 at Bodö and 30·0 ins. or more in the extreme north-west and west of our Islands; (2) 29·9 ins. and more to 29·8 ins. over the south of Russia; (3) 29·8 ins. to 29·7 ins. over France. Lowest, 29·5 ins. and less in a depression lying over the eastern part of the North Sea, 29·6 ins. and less in two shallow minima over the northern parts of the Mediterranean and Adriatic. Depression over North Sea moving slowly to south-westward later, shallow local disturbance appearing over Brittany.

Tuesday, 27th March.

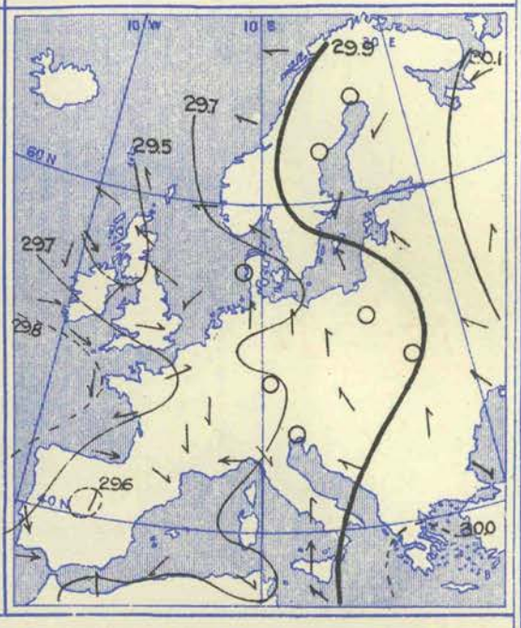
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very variable in different parts of Continental Europe fair as a whole but rainy and foggy in some parts of central and south-western Europe, with snow in places; fair to clear over many parts of Great Britain, but falling into an unsettled state at our north-western stations. Rain, snow or hail falling during day in nearly all parts of our Islands, the North Sea, Germany and France, most at Biarritz; graupel in several places. Solar halo seen at Pembroke.

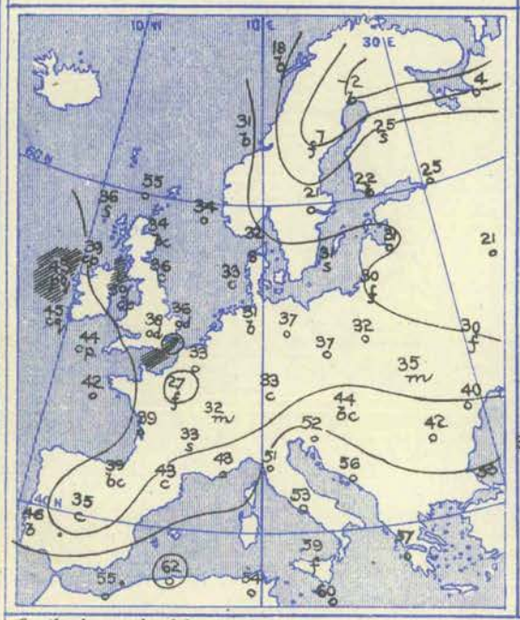
Temperature continuing low and changing little and irregularly—Morning readings highest, 63° at Algiers, 58° at Palermo, and above 50° at many Mediterranean and Adriatic stations; 49° to 46° in Portugal, 41° at Valencia, 40° at Scilly and Blacksod Point. Lowest, − 7° Fahr. at Archangel, + 4° at Haparanda, 12° at St. Petersburg, 27° at Moscow, 29° at Kharkov, 30° at Wisby and Paris; (2) 30° at Loughborough, 32° at Parsonstown. Rising later to between 45° and 47° at several of our south-western stations to 52° at Rochefort and 55° at Biarritz, not touching 50° at Nice.

Wind very variable over France and central Europe, Easterly over Scandinavia, North-Westerly to Northerly over the southern and eastern parts of our Islands. Backing to Southward on our extreme north-west coasts, and freshening a little. Becoming South-Westerly very temporarily over Great Britain later, but soon veering again to Northward.

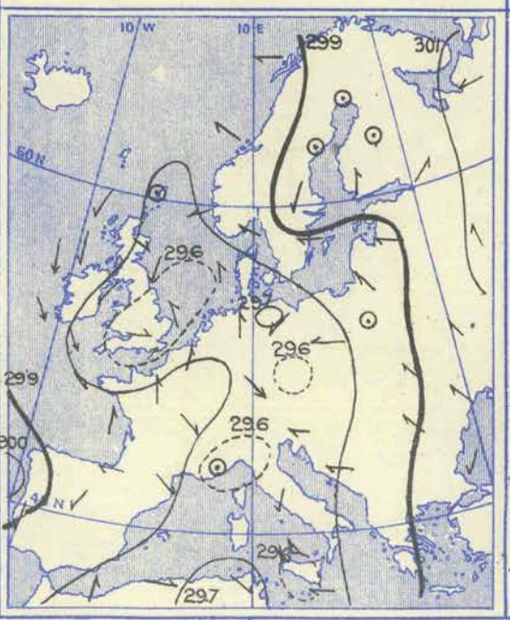
Barometer highest, (1) 30·10 ins. at Haparanda, and exceeding 29·8 ins. over almost the whole of north Europe and Russia; (2) 29·9 ins. to 29·7 ins. in Ireland, and exceeding 29·8 ins. over central Europe. Lowest, 29·6 ins. and less in two shallow depressions, one over the southern part of the North Sea the other over the southern part of the Bay of Biscay. New depression advancing from north-north-west over Great Britain later, and barometer falling fast in north-west and north.

Wednesday, 28th March.

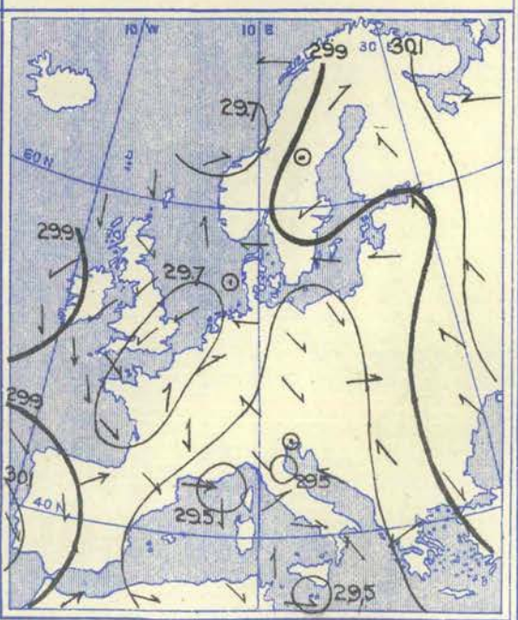
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair as a whole over nearly the whole of Continental Europe, slight, cold showers occurring sporadically; less fair in the south and east of England (rain in places), but clearing up in the north and west as a whole. Slight local showers later in many parts of our Islands and France—hardly any in the west. Eight hours of bright sunshine at Valencia, seven hours at Southport.

Temperature risen somewhat in most places but beginning to fall again in the west and north. Morning readings highest, (1) 62° at Algiers, 60° at Malta and 59° to 50° over the south and east of the Mediterranean and Adriatic, above 40° over south-eastern Europe, (2) 47° at Oporto, 45° at Valencia, 43° at Blacksod Point, 40° at Parsonstown, Pembroke and Jersey. Lowest, (1) − 2° Fahr. at Haparanda, + 4° at Archangel, 21° at Moscow, (2) 27° at Paris, 37° at Berlin, (3) 35° at Nairn, 35° at Loughborough. Rising later to between 45° and 50° over central France, and to 59° at Nice, falling towards night all over our Islands.

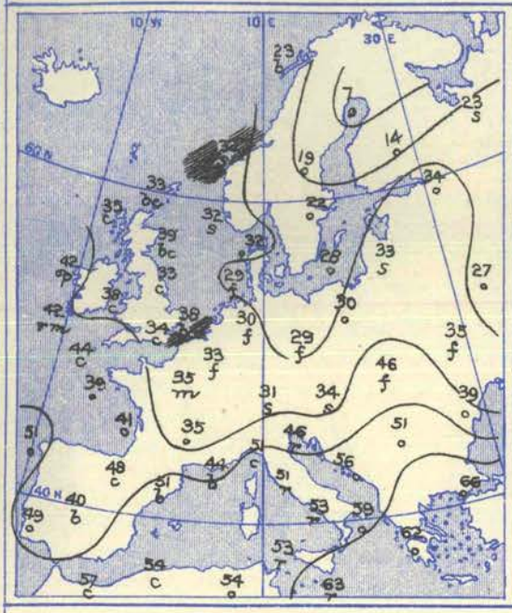
Wind (1) calm in Sweden Easterly in Norway, Northerly (varying slightly) in the north and west of our Islands, South-Westerly to Southerly on our south-east coasts; (2) very light and variable over south-west and central Europe; (3) a slight cyclonic circulation over the north-east of the Mediterranean. The Northerly breeze spreading all over our Islands later, and falling very light in force.

Barometer highest, (1) 30·19 ins. at Moscow, and exceeding 29·8 ins. all over northern and eastern Europe; (2) 30·0 ins. and more in the west of Portugal, 29·8 ins. and more in the west of Ireland. Lowest (1) 29·6 ins. and less in a complex (shallow) depression over the south of England and the North Sea; also in a small depression over the Riviera and another in Austria. Rising decidedly in our Islands later. Shallow depression moving southwards and partially filling up.

Thursday, 29th March.

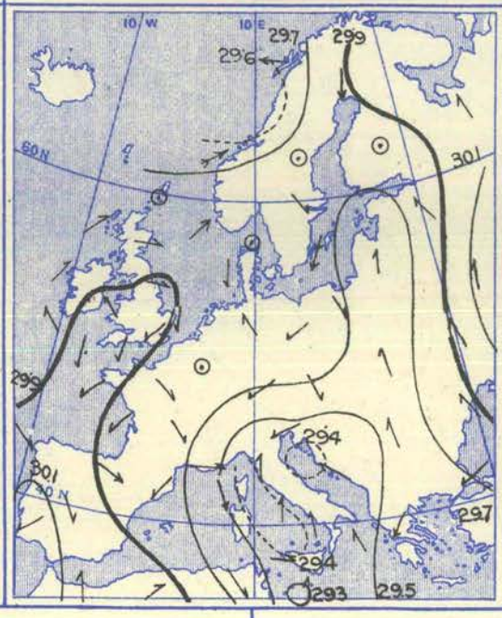
Temperature and Weather.

8 a.m.

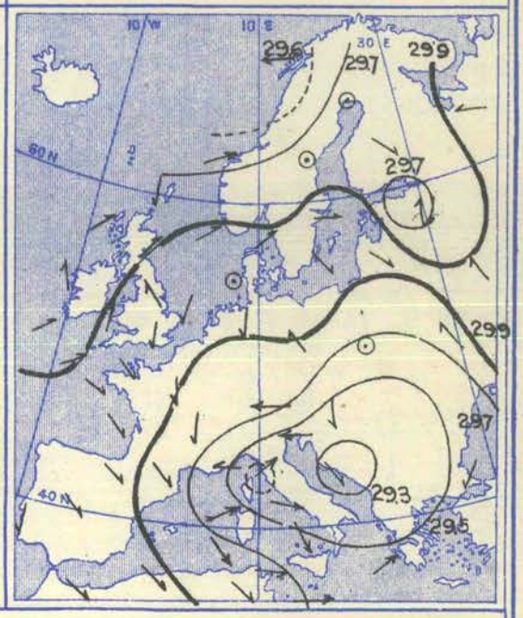


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over Russia as a whole, the North Sea, Great Britain, and nearly the whole of France and Spain. Rain and snow near Memel and Riga; rain over the north and east of the Mediterranean, and a slight fall in the extreme west of our Islands. The fall in the west becoming rather more general later, 0·35 ins. falling at Christiansund, and sporadic falls over central Europe and the south of France.

Temperature low everywhere for the time of year. Morning readings highest, (1) 63° at Malta, 62° at Athens, 59° at Brindisi, and above 50° over the southern parts of the Mediterranean; (2) 51° at Corunna, 48° at Biarritz, and above 40° at Scilly, Valencia and Blacksod Point. Lowest, (1) 7° at Haparanda, 22° at Moscow, 30° at Kharkov; (2) 20° at Berlin, 30° at Belfort, 35° at Paris; (3) 30° at Nairn, 31° at Loughborough, 33° at Parsonstown. Rising later to 45° and more in many parts of our Islands, 51° at Valencia and Scilly, and 55° at Nice, but falling again considerably over England towards night.

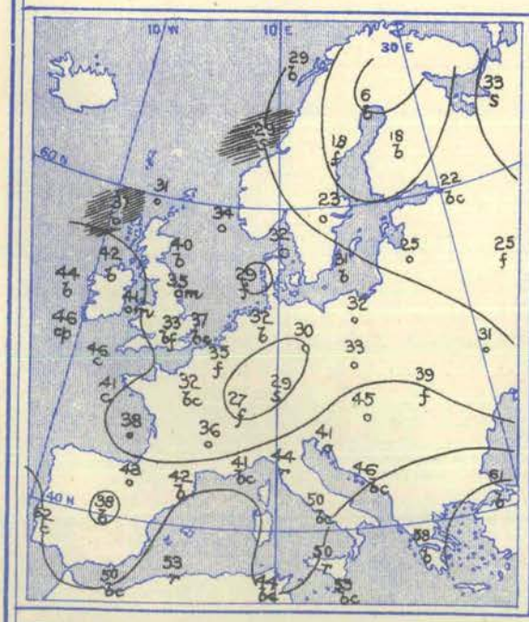
Wind (1) light Northerly over France and North-Westerly over Spain; nearly calm over England and the North Sea; (2) cyclonic circulation of strong winds off the north-west of Norway, and slight Southerly wind on our own north-west coasts; (3) additional cyclonic circulations shown (a) in the Baltic Provinces, (b) in the northern parts of the Adriatic and Mediterranean, and (c) near Malta. The Southerly wind in the west becoming more general later, but remaining feeble in strength.

Barometer highest, (1) 30·2 ins. to 30·0 ins. over the Spanish Peninsula, and exceeding 29·9 ins. over England and Ireland; (2) 30·1 ins. and more to 29·9 ins. over Russia and the White Sea, and exceeding 29·8 ins. over Sweden, Denmark and the North Sea. Lowest, (1) 29·4 ins. and less in complex disturbances over the eastern parts of the Mediterranean; (2) 29·6 ins. and less in a depression near Memel, and in a larger disturbance off the north-west of Norway. Falling a little at our western stations later, rising in the east and south-east.

Friday, 30th March.

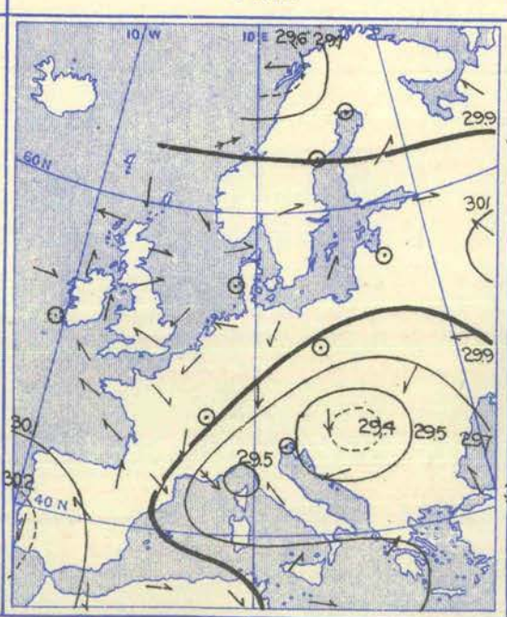
Temperature and Weather.

8 a.m.

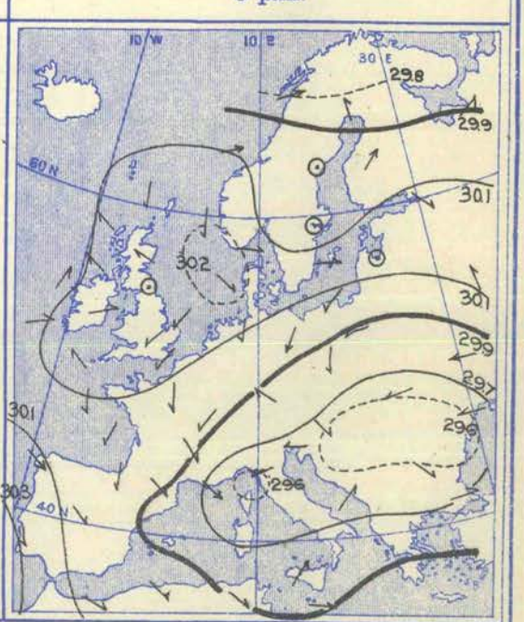


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning (1) unsettled over southern and south-eastern Europe, with rain in Sicily and Italy, snow in Austria and south Germany, fog at Lemberg; (2) rather unsettled also in parts of northern Europe, snow at Archangel. Very fine over central Russia, the Baltic, the North Sea, and the British Islands, foggy or hazy in different parts of central England. A little rain later in Scotland and at Valencia, considerable snow in Austria and south Germany, rain at Biarritz.

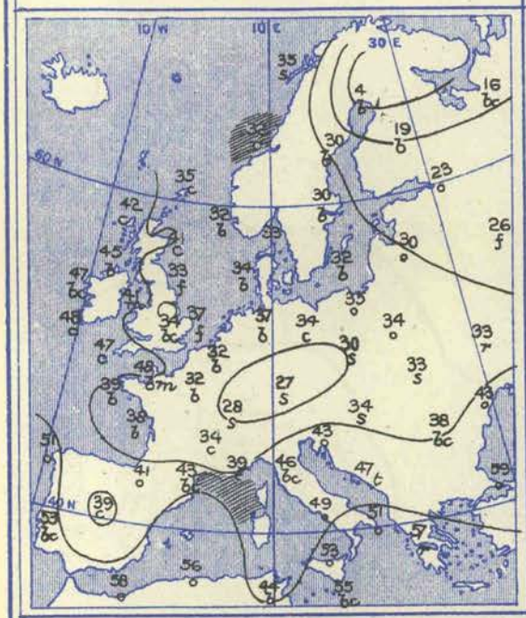
Temperature inclined to rise over the British Islands after a cold night, fallen over the Continent, most in the south-east. Morning readings highest, 56° at Nemours, 55° at Malta, and rather above 50° at many of the Mediterranean stations, above 40° over the south-east of France and south-eastern Europe; 46° to 40° on the Irish coasts, 46° at Scilly, 42° at Dungeness. Rising later to 50° or more at some of our western and south-western stations, to 45° at Wick, 48° in London, 57° at Rochefort and Nice. Succeeding night again cold over England and the Continent generally.

Wind very variable—(1) Cyclonic and rather strong over southern and south-eastern Europe; (2) Also cyclonic in the far north (a West-South-West gale at Christiansund), an Easterly breeze at Bodö; (3) Very light and mainly anticyclonic over central Russia, the Baltic, North Sea, and British Isles (except Easterly strong at Stornoway). This Easterly wind dying down later, no other change of importance in our Islands.

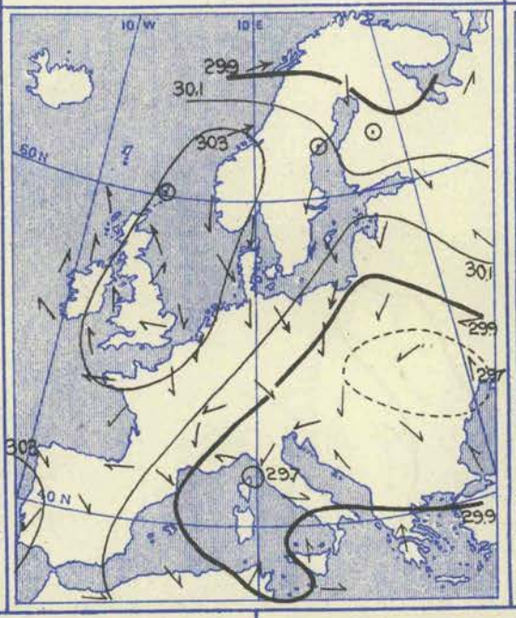
Barometer highest, exceeding 30·1 ins. at Moscow, and exceeding 30·0 ins. in a broad band extending westwards from Russia to our Islands. Lowest, (1) 29·4 ins. and less to 29·5 ins. in complex system over Corsica and the south of Austria; and (2) 29·6 ins. and less over Finmark and the north of Norway, gradients rather steep over Austria and south Germany. Continuing to rise later over the British Islands and North Sea and definite anticyclone being formed in those regions.

Saturday, 31st March.

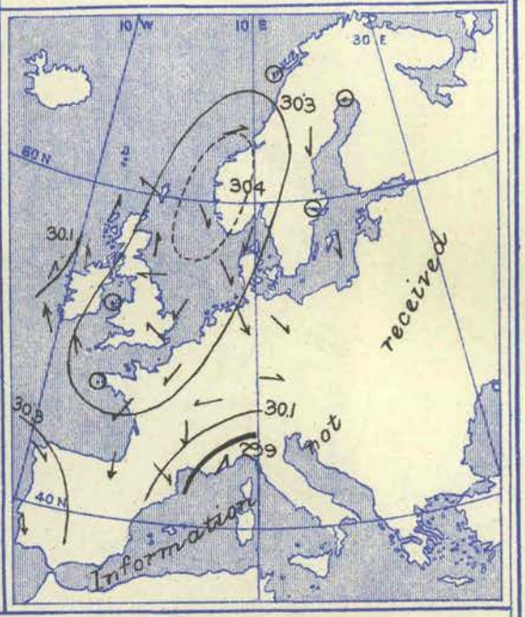
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the whole of the United Kingdom, the north of France, and the North Sea, the Baltic, and central Russia, but snow reported very generally over Austro-Hungary, rain in the southern parts of Russia and a rather disturbed condition over the north-east of the Mediterranean. Considerable rain later in the west and south of Ireland, smaller quantities in the Azores, and at Corunna, and some snow at Christiansund.

Temperature creeping up over our Islands as a whole—most in the west and extreme north, rising more decidedly over Sweden. Morning readings highest, (1) 58° at Nemours, 56° at Algiers, 55° at Malta, 51° at Corunna; (2) 48° at Valencia, 45° at Malin Head, 40° both at Wick and Jersey, 41° at the the Helder. Lowest (1) 4° at Haparanda, 16° at Archangel, 19° at Kuopio, 22° at Hangö, 26° at Moscow, (2) 27° at Munich, 29° at Prague and Munster, (3) 28° at Loughborough, 32° at Oxford, 34° at Nairn. Rising later to 55° at Parsonstown, 53° at Valencia, 52° at Oxford and Brest, and 54° at Nice.

Wind (1) very light and variable over Great Britain and the North Sea; Northerly, strong, over Germany and the Baltic, Northerly to North-Easterly, moderate, over France. (2) Strong from West-South-West over Finmark and the north-west of Norway. The Southerly wind becoming strong in the south of Ireland later, and freshening in the north-west.

Barometer highest 30·3 ins. and more in an anticyclone covering nearly the whole of the British Islands, the North Sea, and south of Norway. Lowest (1) 29·7 ins. and less to 29·8 ins. in a complex depression having two minima and covering the south of Russia, Wallackia, Servia, and the north-eastern parts of the Mediterranean. (2) Below 30·2 ins. off the extreme north-west coast of Ireland. Barometer falling later in the west of the British Islands rising over France.

GENERAL NOTES.

During the first portion of this week the distribution of pressure over Europe was mainly complex. There were two large high-pressure systems, one extending over the west of the United Kingdom, and occasionally over northern Europe, the other over the east and centre of Russia. Over the North Sea, southern and central Europe, depressions of no great intensity, and moving in various directions, appeared from time to time, causing local falls of cold rain, snow, sleet, or graupel in many localities, but producing, in combination with the anticyclone, cold unseasonable weather, and a prevalence (principally) of Northerly to North-Easterly winds. The Mediterranean also was under their influence. On and after Thursday a change was apparent; a "Col." was being formed across the North Sea to Sweden and Finland, increasing both in size and intensity, while the depressions which appeared were found over the extreme north or extreme south of Europe, moving slowly southwards and developing local maxima in many places. Within this region the weather was quiet and cold. To the northward the depression brought Southerly and South-Westerly winds (in some places, gales) and some amelioration of the temperature; to the southward (*i.e.*, over the Mediterranean and south-eastern Europe) the disturbances were more complex and caused much snow in Austria on Thursday and Friday, while Westerly winds and gales were felt over southern parts of the Mediterranean.

At the close of the week an anticyclone with high readings lay over the British Islands and North Sea, and there was some effort on the part of a Southerly current to encroach from the Atlantic.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 74.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	38·0	?	43	?	BRIGHTON	35·3	+ 2·5	40	+ 1
STRATHPEFFER SPA	34·2	+ 5·8	38	+ 5	WORTHING	33·8	?	38	?
EDINBURGH	21·6	- 2·4	24	- 4	BOGNOR	31·7*	?	36*	?
MORPETH	37·5	?	43	?	WATERGATE (Emsworth)	30·6	?	35	?
NEWCASTLE-ON-TYNE	21·8	?	25	?	WESTBOURNE (Emsworth)	31·2*	- 4·9	35*	- 7
OSWALDKIRK (Yorkshire)	39·0	+10·5	44	+11	VENTNOR HOSPITAL	38·2	?	43	?
YORK	25·4	- 1·6	29	- 2	SOUTHPORT	47·9	?	54	?
LOWESTOFT	44·7	?	51	?	RHYL	37·3*	?	42*	?
HOLLESLEY BAY	40·3	?	46	?	COLWYN BAY		?		?
SHEFFIELD	24·2	?	28	?	ABERDOVEY	38·5*	?	44*	?
WORKSOP	34·4	+ 8·8	39	+ 9	TENBY				
THURCASTON (Leicestershire)	32·3	+ 7·3	37	+ 8	NEWQUAY	48·5	+13·5	55	+15
MARGATE	41·7	+11·4	47	+12	TORQUAY	45·3	+ 9·0	51	+ 9
EASTBOURNE	35·7	+ 0·6	41	+ 1	GUERNSEY	47·8*	+ 9·8	54*	+ 9

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Feb. 3rd, 1900	Morpeth	—	—	—	—	—	—	—	—	—	—	—	3·4	?	6	?
" " " 10th, "	Cranley	40	19	38·0	24·2	31·1	- 8·0	0	76	2	0·52	+ 0·02	—	—	—	—
" " " " "	Clifton	38	22	35·9	26·3	31·1	- 9·3	0	76	1	0·09	- 0·65	—	—	—	—
" " " 17th, "	Cranley	47	22	41·7	29·2	35·5	- 4·3	0	46	7	2·20	+ 1·73	—	—	—	—
" " " " "	Clifton	51	26	41·5	31·9	36·7	- 4·1	0	37	4	3.06	+ 2·43	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No 14.] *Third Series.* WEEK ENDING SATURDAY, APRIL 7TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 80.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. or the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	26	47·8	34·6	40·9	0 (average)	16	0	28	- 1	58	-57	590	+ 63
	1. SCOTLAND, EAST	58	25	48·6	32·7	40·2	2 below	18	- 4	34	+ 6	69	-86	642	+ 83
	2. ENGLAND, N.E.	53	26	46·9	34·5	40·4	2 below	14	- 7	28	+ 4	72	-84	491	+ 5
	3. ENGLAND, EAST	56	22	49·0	32·4	40·3	4 below	20	- 8	36	+10	126	-70	497	- 51
	4. MIDLAND COUNTIES	55	23	50·7	32·7	41·3	3 below	24	- 8	36	+ 9	123	-92	527	- 20
	5. ENGLAND, SOUTH	56	27	49·0	35·8	42·1	3 below	27	- 2	17	- 5	199	-29	376	- 63
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	55	24	48·2	34·3	41·0	2 below	17	- 5	30	+ 8	101	-66	484*	+ 81
	7. ENGLAND, N.W.	54	26	48·4	35·9	41·9	2 below	18	- 6	24	+ 3	97	-69	431	+ 22
	8. ENGLAND, S.W.	55	23	48·9	36·4	42·3	3 below	26	- 4	16	+ 1	217	-39	324	- 7
	9. IRELAND, NORTH	58	30	48·8	37·2	42·7	2 below	25	- 4	13	- 6	133	-90	410	+ 60
	10. IRELAND, SOUTH	57	31	51·1	39·6	45·1	1 below	32	0	7	- 7	217	-96	373	+105
	—CHANNEL ISLANDS	53	32	50·4	41·4	45·7	2 below	28	- 5	2	- 3	366	+34	97	- 47

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 80.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	5	2 less	70	+ 2	12·3	- 2·3	29	0	31	0	224	+31	24	+ 4
	1. SCOTLAND, EAST	4	4	0 (average)	58	+ 6	9·2	+ 1·2	31	+ 2	34	+ 2	227	-10	24	- 1
	2. ENGLAND, N.E.	4	3	1 less	58	+ 8	8·4*	+ 2·4	25	- 5	27	- 5	205	-36	21	- 4
	3. ENGLAND, EAST	4	6	2 more	59	+10	8·3	+ 2·6	33	+ 1	36	+ 1	265	-24	25	- 3
	4. MIDLAND COUNTIES	4	4	0 (average)	54	+ 7	9·3	+ 2·7	36	+ 5	39	+ 5	214	-15	24	- 1
	5. ENGLAND, SOUTH	5	7	3 more	55	+10	10·1	+ 3·0	32	- 4	35	- 5	250	-34	25	- 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	8	0 (average)	59	+ 2	13·1	- 2·2	23	- 8	26	- 9	241	+11	25	+ 1
	7. ENGLAND, N.W.	3	4	1 less	55	+ 3	9·7	+ 1·4	34	+ 6	38	+ 7	250	+20	26	+ 2
	8. ENGLAND, S.W.	5	11	5 more	61	+ 9	14·7	+ 3·8	28	-10	31	-11	277*	-27	28	- 3
	9. IRELAND, NORTH	6	8	2 more	66	+ 6	9·1	+ 0·2	29	+ 1	32	0	264	+32	28	+ 4
	10. IRELAND, SOUTH	6	12	6 more	62	+ 7	11·2	+ 0·5	28	- 5	31	- 7	284	+ 4	29	0
	— CHANNEL ISLANDS	6	10	4 more	71	+13	13·6	+ 4·5	35	- 3	38	- 4	285	-53	29	- 5

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week was rather unsettled generally, falls of rain alternating with clear or partially clear skies. Thunder and lightning were experienced at several eastern stations about the middle of the period.

Temperature just equalled the mean in Scotland N., but was again below it elsewhere, the deficit ranging from 1° in Ireland S. to 4° in England E. The highest of the maxima were registered on rather irregular dates, and varied from 58° in Scotland E. and Ireland N. to 53° in England N.E. and the Channel Islands. The lowest of the minima were, with few exceptions, registered either on the 1st or 2nd. They varied from 22° in England E., 23° in the Midland Counties and England S.W., and 24° in Scotland W. to 31° in Ireland S., and 32° in the Channel Islands.

Rainfall exceeded the mean in most parts of the Kingdom, but just equalled the normal in Scotland E. and W. and the Midland Counties, and was slightly less in Scotland N. and England N.E. and N.W.

Bright Sunshine was deficient over the Kingdom as a whole, but was rather more than the mean in Scotland E., England E. and N.W., and the Midland Counties. The percentage of the possible amount of duration ranged from 39 in the Midland Counties, and 38 in England N.W., to 31 in Scotland N., 27 in England N.E., and 26 in Scotland W.

Barometer and Wind.—During the whole of this period the barometer was high both over Scandinavia and the Spanish Peninsula, while depressions (mostly shallow and of irregular form) advanced over our Islands from the Westward. The winds varied considerably in direction, but were mainly moderate or fresh from between South-West and North-West in the south and south-west, and from the South-Eastward in the north. At the end of the week, however, moderate breezes from between North-West and North-East or East prevailed in almost all parts of the Kingdom.

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319 | 70 4 | 00.

* This value has been altered owing to the receipt of further information for a preceding week.

NOTE.—Owing to the operation of the Factory Act the Weekly Weather Report for next week will not be issued until Saturday.

II.—DATA from which the SUMMARY on page 79 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	43	32	41·1	35·1	38·0	- 2·0	0	28	5	0·77	+ 0·25	*	*	*	*
	Stornoway	52	32	48·6	35·7	41·8	+ 0·3	18	24	4	0·25	- 0·45	27·0	- 2·2	29	- 4
	Wick	50	30	46·7	36·1	41·2	- 0·2	13	23	5	0·30	- 0·08	*	*	*	*
	Lairg S	56	26	49·9	31·1	40·1	- 0·6	22	41	4	0·54	- 0·06	*	*	*	*
	Glencarron S	52	33	47·5	35·1	41·0	+ 0·3	15	26	5	0·44	- 0·66	*	*	*	*
	Fort Augustus S	54	27	49·1	33·5	40·9	- 0·8	20	32	2	0·24	- 0·22	27·7	+ 5·0	30	+ 7
	Fort William S	53	33	51·9	35·4	43·3	+ 0·8	37	18	6	0·59	- 0·26	22·1	- 4·9	24	- 6
1. SCOTLAND E.	Nairn	53	28	49·4	32·6	40·6	- 1·5	21	35	4	0·38	+ 0·10	*	*	*	*
	Aberdeen	49	31	46·4	35·0	40·4	- 1·9	12	25	4	0·74	+ 0·25	42·3	+13·6	46	+14
	Braemar S	48	25	45·5	28·8	36·8	- 2·4	10	46	3	0·31	- 0·17	29·0†	+ 0·3†	32†	0†
	Ochtertyre S	58	27	51·3	32·6	41·5	- 0·9	26	36	3	0·41	- 0·22	*	*	*	*
	Leith	56	29	50·0	34·3	41·8	- 1·6	22	30	2	0·24	- 0·14	*	*	*	*
	Marchmont S	53	31	48·7	32·7	40·3	- 1·1	19	34	5	0·55	- 0·03	30·8	+ 3·2	33	+ 2
2. ENGLAND, N.E.	Alnwick Castle	51	26	47·2	33·3	39·9	- 1·5	15	32	3	0·32	- 0·21	*	*	*	*
	Durham	53	29	48·2	33·2	40·3	- 2·2	17	32	5	0·42	- 0·08	23·8	- 4·1	26	- 5
	Shields	51	31	47·6	34·7	40·8	- 1·7	16	27	4	0·31	- 0·11	*	*	*	*
	Scarborough M	51	31	45·6	35·7	40·4	- 3·0	10	23	4	0·47	0·00	?	?	?	?
	Spurn Head	48	33	46·0	35·7	40·6	- 2·2	11	23	2	0·18	- 0·15	*	*	*	*
3. ENGLAND, E.	Hillington M	53	23	50·1	29·9	39·5	- 5·0	23	45	5	0·38	- 0·02	39·9	+ 9·4	44	+ 9
	Yarmouth	50	32	44·7	35·1	39·7	- 3·1	8	25	3	0·32	- 0·11	*	*	*	*
	Geldeston	54	27	48·2	31·8	39·6	- 4·2	17	37	5	0·60	+ 0·20	27·0	- 7·8	30	- 9
	Cambridge	56	25	52·8	31·4	41·6	- 3·1	30	41	3	0·38	0·00	35·6	+ 2·2	39	+ 2
	Felixstowe	55	31	48·0	35·0	41·2	- 2·5	17	27	4	0·86	?	31·9†	?	35†	?
	Rothamsted	54	22	49·9	30·9	39·9	- 3·8	22	41	5	0·83	+ 0·38	34·6	+ 2·6	38	+ 2
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	54	25	51·9	31·6	41·3	- 2·6	28	40	1	0·15	- 0·28	*	*	*	*
	Loughborough	55	23	52·9	30·0	40·9	- 3·8	31	46	2	0·20	- 0·23	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle M	50	28	49·0	33·1	40·7	- 2·2	20	34	2	0·66	+ 0·13	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	53	29	49·9	34·5	41·8	- 1·4	22	29	3	0·28	- 0·11	38·1	?	42	?
	Churchstoke M	52	30	50·4	32·5	41·0	- 1·8	24	36	4	0·58	+ 0·12	35·9	+ 5·0	39	+ 5
	Hereford (Belmont) M	55	27	51·6	33·7	42·2	- 2·7	36	23	6	0·38	- 0·05	*	*	*	*
	Cirencester	51	23	49·4	32·7	40·7	- 2·7	21	35	5	0·46	- 0·04	36·6	+ 5·2	40	+ 5
	Oxford	53	26	50·3	33·3	41·4	- 3·3	23	33	6	0·71	+ 0·29	30·4	- 0·7	33	- 3
5. ENGLAND, S.	London	56	27	50·6	34·3	42·1	- 3·5	33	21	4	0·35	- 0·05	21·3†	- 4·4†	23†	- 5†
	Cranley M												*	*	*	*
	Dungeness	52	28	48·9	35·1	41·7	- 2·7	19	27	2	0·39	- 0·09	24·8	?	27	?
	Hastings (St. Leonards)	52	31	48·1	36·0	41·8	- 3·2	17	24	4	0·85	+ 0·33	35·6	- 1·4	39	- 2
	Southampton	55	30	51·9	36·8	44·0	- 2·1	36	15	6	0·83	+ 0·35	33·0	- 2·8	36	- 4
	Portland Bill	49	33	47·0	37·6	42·1	- 2·7	19	12	6	0·70	?	*	*	*	*
	Shaftesbury M	52	32	47·7	34·8	40·9	- 2·6	16	27	6	1·29	+ 0·79	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	53	34	48·4	36·7	42·3	- 1·7	24	15	5	0·83	- 0·23	*	*	*	*
	Glasgow	50	33	47·1	35·9	41·2	- 1·5	14	23	4	0·51	- 0·04	12·9	-12·6	14	- 13
	Glenlee S	55	24	49·8	29·6	39·5	- 2·8	22	47	5	0·59	- 0·23	*	*	*	*
	Douglas (Isle of Man)	51	31	47·4	34·9	40·9	- 2·7	15	27	4	1·06	+ 0·39	33·5	- 3·1	37	- 5
7. ENGLAND, N.W.	Newton Reigny	50	26	48·6	31·4	39·6	- 2·0	18	39	3	0·37	?	31·9	?	35	?
	Stonyhurst	49	30	48·2	33·9	40·7	- 2·7	17	30	4	0·46	- 0·23	46·4	+17·4	51	+ 19
	Blackpool M	54	28	49·2	36·0	42·3	- 1·5	27	17	3	0·38	- 0·13	36·4	+ 8·4	40	+ 9
	Manchester (Prestwich)	51	28	48·8	33·3	40·7	- 3·2	19	33	4	0·57	+ 0·05	37·1	?	41	?
	Liverpool Obsy. (Bidston)	50	33	48·4	36·6	42·2	- 2·4	24	15	4	0·48	+ 0·03	28·3	?	31	*
	Llandudno M	52	41	48·6	42·5	45·4	- 0·4	24	0	3	0·29	- 0·20	23·1	- 5·9	25	- 7
	Holyhead	51	36	47·3	37·9	42·4	- 2·7	20	11	3	0·49	- 0·01	*	*	*	*
8. ENGLAND, S.W	Llandovery	55	23	50·4	30·1	39·8	- 4·9	24	44	6	0·51	- 0·19	*	*	*	*
	Pembroke	49	37	46·7	40·3	43·4	- 1·8	17	5	5	0·80	+ 0·30	26·4	-11·0	29	- 13
	Clifton	52	31	49·4	37·2	43·0	- 1·7	27	13	5	0·43	- 0·12	*	*	*	*
	Arlington (N. Devon)	50	29	47·3	34·7	40·7	- 1·7	15	27	4	1·32	+ 0·59	*	*	*	*
	Cullompton M	55	25	50·1	34·3	41·8	- 4·2	23	30	5	1·41	+ 0·91	23·5	- 9·9	26	- 10
	Falmouth	51	37	48·9	40·5	44·5	- 1·4	24	4	7	1·51	+ 0·88	31·8	- 6·5	35	- 8
	Plymouth	54	33	49·2	37·5	43·1	- 3·7	27	13	5	1·58	+ 1·01	30·1	- 6·5	33	- 8
9. IRELAND, N	Malin Head	48	37	46·7	39·1	42·7	- 1·6	17	8	6	0·41	?	*	*	*	*
	Londonderry	53	34	50·1	37·7	43·6	- 1·3	29	12	6	0·71	+ 0·09	*	*	*	*
	Edenfel (Omagh)	53	30	48·1	36·1	41·8	- 0·9	17	23	7	0·84	+ 0·27	*	*	*	*
	Blacksod Point	52	37	49·7	40·0	44·6	- 1·2	27	6	7	1·10	?	*	*	*	*
	Markree Castle	53	32	48·9	38·1	42·2	- 2·3	26	17	6	0·98	+ 0·42	32·8	+ 3·8	36	+ 3
	Armagh	58	33	50·5	36·3	43·1	- 0·6	32	16	5	0·57	+ 0·09	24·3	- 3·7	27	- 4
	Donaghadee	51	31	47·9	35·1	41·2	- 3·6	17	26	4	0·85	+ 0·33	*	*	*	*
10. IRELAND, S.	Dublin	54	36	50·9	39·3	44·8	- 1·0	31	8	5	0·37	- 0·11	24·4	- 9·4	27	-11
	Parsonstown	54	33	50·7	37·7	43·9	- 0·8	31	12	6	1·06	+ 0·53	27·2	- 4·3	30	- 6
	Kilkenny	54	31	50·0	37·3	43·4	- 2·1	30	13	6	0·93	+ 0·41	*	*	*	*
	Roche's Point	55	38	50·9	41·9	46·2	- 0·6	30	0	7	1·72	+ 1·01	*	*	*	*
	Valencia	53	40	50·6	42·7	46·5	- 1·2	32	0	7	1·64	+ 0·84	33·3	- 2·7	37	- 3
	Killarney	57	34	53·2	39·1	45·8	- 0·2	39	8	7	1·50	?	*	*	*	*
	Foynes	?	37	?	39·1	?	?	?	?	7	0·95	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	52	42	50·9	43·6	47·1	- 0·5	36	0	6	1·04	+ 0·50	27·7	?	30	?
	Jersey	53	32	49·9	39·1	44·2	- 3·3	28	8	5	0·85	+ 0·30	29·7	- 1·9	44	- 3

Stations marked M are in connection with the Royal Meteorological Society, and those marked S with the Scottish Meteorological Society.

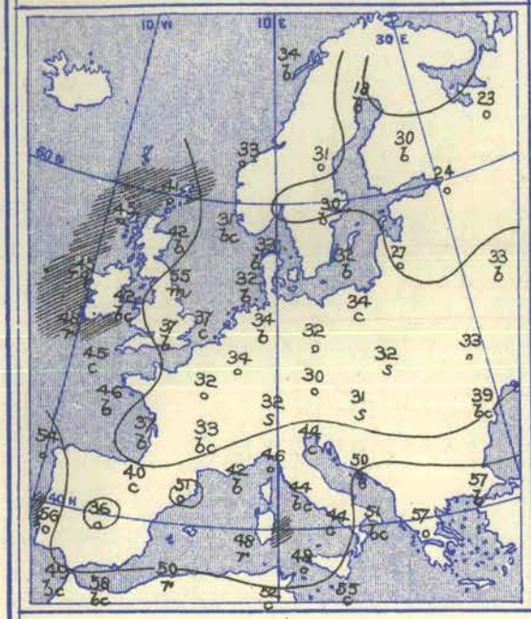
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

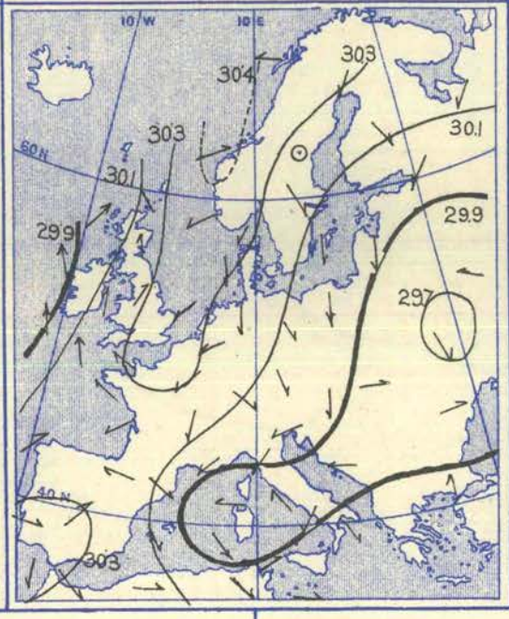
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 1st April.

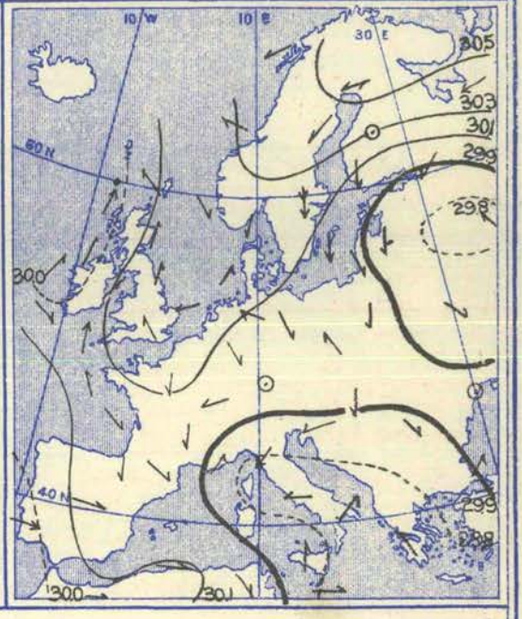
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but rainy in the west and south of Ireland. Fine over northern Europe generally, and also over central Italy and the western and southern parts of France; cloudy or dull in other parts of the Continent, with snow in Austria and south Germany and rain at Buda Pesth. Rain falling later over nearly the whole of Ireland and the south-west of England, and also at Madrid; sky clearing over central France.

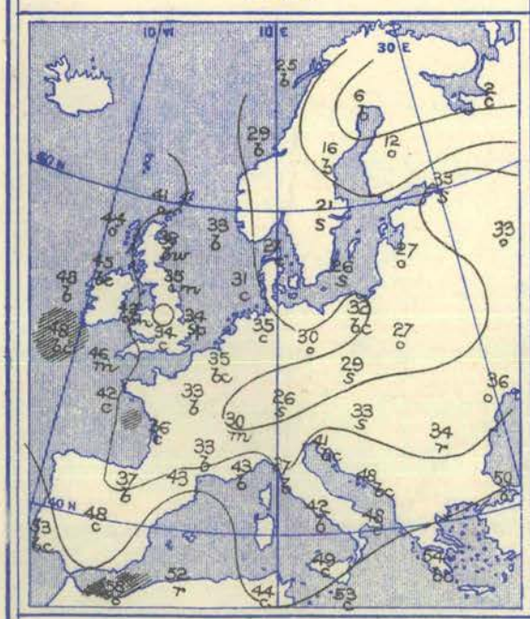
Temperature changed little and irregularly. Morning readings highest, 58° at Nemours, 57° at Athens and Constantinople, and 56° at Lisbon and Oran; above 50° at most of the Mediterranean and Spanish coast stations. Lowest, 18° at Haparanda and Uleaborg, 21° at Hangö, and 23° at Archangel; below the freezing point over northern and central Europe generally, and also over central England. Rising during day to 50° or slightly above it at several of our own western and northern stations and also over France; exceeding 55° in many parts of southern Europe and reaching 63° at San Fernando and 64° at Brindisi.

Wind Southerly in all the more western and northern parts of the United Kingdom, and strong in force on our south-west coasts, with a gale at Roche's Point. Light to moderate from the Northward over the greater part of northern and central Europe and from the Eastward over the Netherlands, the eastern and central parts of England, France and northern Italy; variable over the Spanish Peninsula and southern Italy. Subsequently shifting to the North-Westward in the west of Ireland; becoming very variable in Germany.

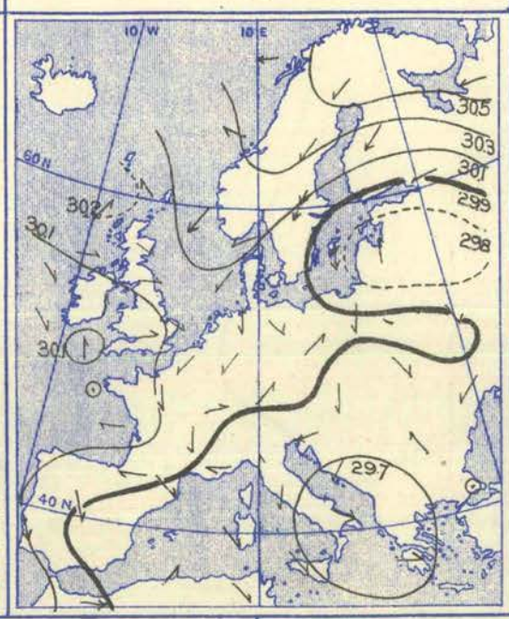
Barometer highest, 30·4 ins. and upwards in the west of Norway; 30·3 ins. and upwards in an anticyclone extending from Scandinavia over the North Sea, the greater part of England and the north of France, and also in another system over the southern parts of the Spanish Peninsula. Lowest, 29·7 ins. and less in a shallow depression over the south-west of Russia; 29·9 ins. and less in another disturbance off the west of Ireland. Russian depression subsequently moving northwards and becoming rather deeper; Irish disturbance (a "V-shaped" system) also moving northwards and beginning to disperse.

Monday, 2nd April.

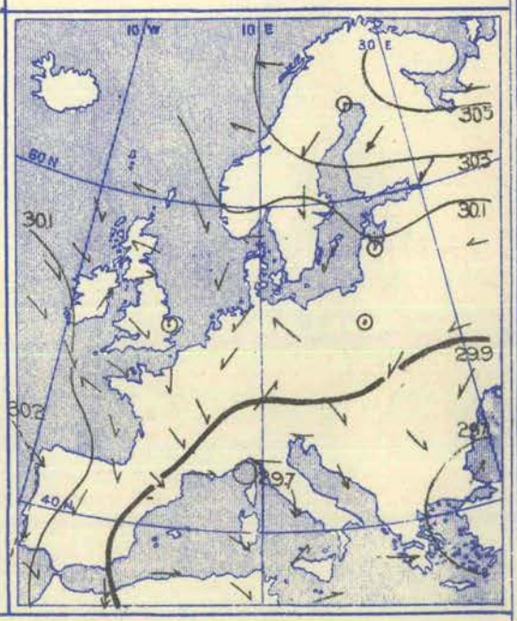
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western Europe as a whole, but hazy or foggy in many parts of the United Kingdom; snow showers reported at Yarmouth. Fine in all the more western and northern parts of Scandinavia, and also over the northern parts of Italy and the Adriatic; cloudy in the intermediate regions, with snow over the Baltic and the Gulf of Finland, as well as at Breslau and Buda Pesth; rain falling at Hermanstadt and Patras. A little rain falling later in most parts of the United Kingdom, and snow in Sweden.

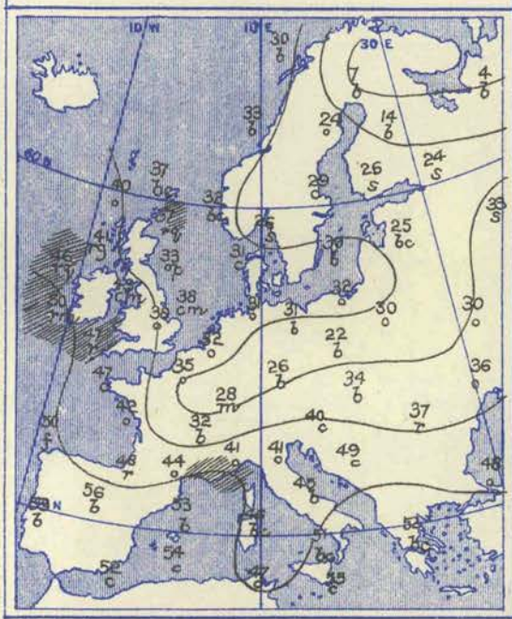
Temperature fallen in most countries, but risen in Spain. Morning readings highest, 58° at Nemours, 55° at San Fernando, and 54° at Athens; above 50° over the central and southern parts of the Mediterranean generally. Lowest, 2° at Archangel, 6° at Haparanda and Uleaborg, and 12° at Kuopio; below the freezing point over northern, eastern and central Europe generally, and also over central England. Rising during day to 50° and upwards at several of our own western and northern stations, and to 55° at Roche's Point; exceeding 55° over southern Europe generally, and reaching 64° at San Fernando.

Wind light from the Westward or North-Westward over the United Kingdom as a whole, but variable in the extreme south of England, and Southerly or South-Westerly in the north of Scotland. Northerly or North-Easterly in the western and northern parts of the Continent, and strong to a gale in force over Finland and the south of Sweden; variable over Germany, Austria and Italy; North-Westerly over the Spanish Peninsula. Backing to the North-Westward later in the west of France; gale over Finland and Sweden entirely subsiding.

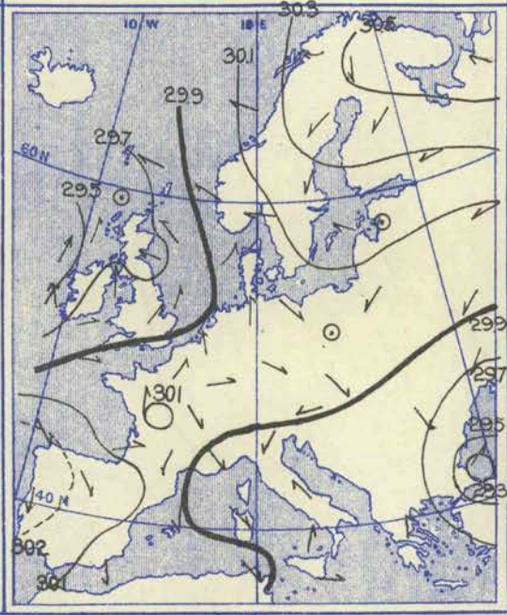
Barometer highest, 30·5 ins. and upwards in the extreme northern parts of Russia and Scandinavia; 30·1 ins. and upwards in an anticyclone lying over Scandinavia and northern Russia generally, and also in another system over Ireland, England, the west of France, and the Bay of Biscay. Lowest, 29·7 ins. and less in a shallow depression over Greece and southern Italy; 29·8 ins. and less in another disturbance over the central parts of Russia. Shallow depressions appearing later over the North Sea and the eastern parts of Great Britain, and barometer falling in most parts of western Europe.

Tuesday, 3rd April.

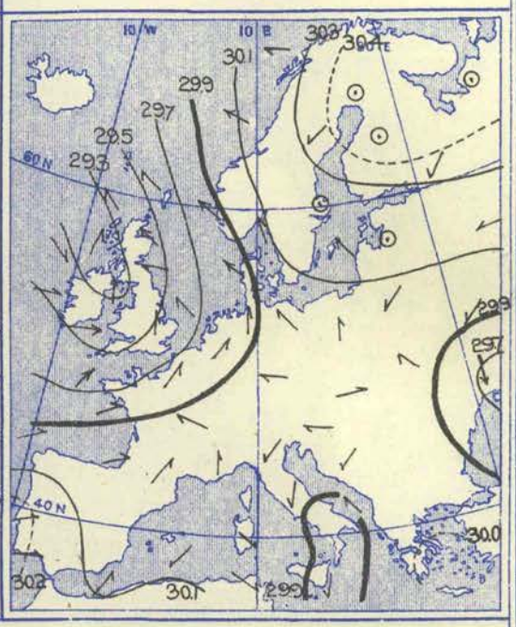
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still cold over Continental Europe and over the eastern parts of the British Islands, with snow in several parts of central Europe; becoming rainy in Ireland and the west of Scotland. Considerable rain falling later over the British Islands, Belgium, and the north and west of France—more than half an inch in some places, and as much as 1·1 in. at Rochefort, but only local showers in Scandinavia.

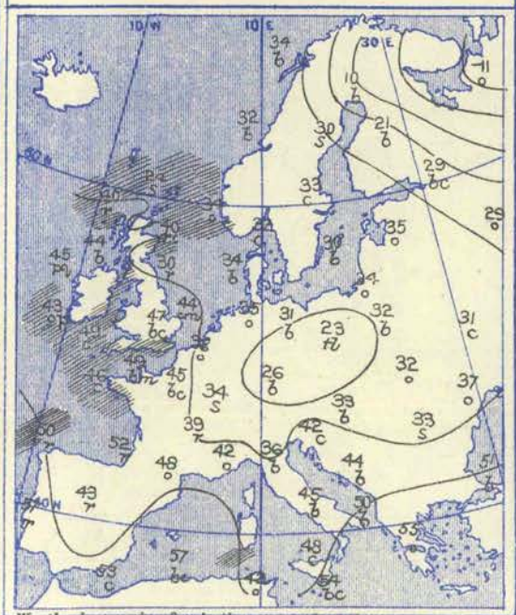
Temperature changing irregularly, but tending to rise over the United Kingdom and the north of France. Morning readings highest, 55° at Malta, and exceeding 50° on the southern and south-eastern sides of the Mediterranean generally; 52° to 50° in Portugal, 50° at Valencia (Ireland), 47° at Scilly, 43° at Holyhead, 41° at Cape Gris Nez, 40° at Stornoway. Lowest, (1) 4° at Archangel, 14° at Kuopio, 24° at St. Petersburg; (2) 20° at Prague, 26° at Munich, 28° at Belfort. Rising later to between 55° and 50° at our own western and southern stations; exceeding 55° in many parts of southern Europe, and reaching 63° at Palermo and San Fernando.

Wind (1) Easterly moderate to strong over northern Europe and the greater part of Russia. Very variable over central Europe and the Mediterranean; (2) South-Easterly strong in Scotland, Westerly on our southern coasts, Southerly and freshening in Ireland. Blowing hard from South-East later over Scotland and the North Sea, and freshening in the Irish Sea, but subsequently veering to North-West in Ireland.

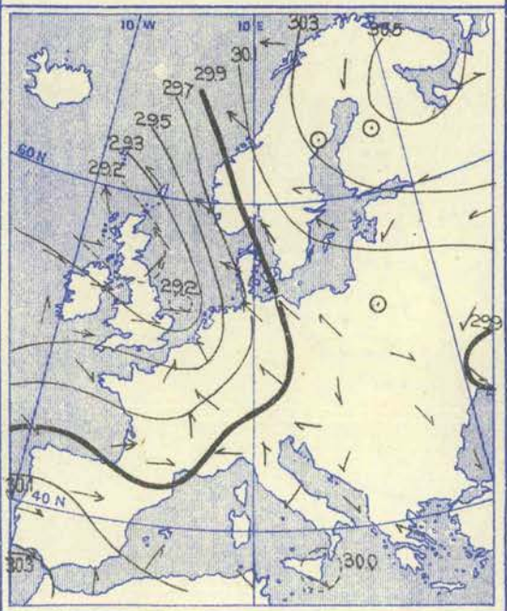
Barometer highest, (1) 30·59 ins. at Archangel and exceeding 30·1 ins. over the whole of northern Europe; (2) 30·2 ins. and more to 30·1 ins. over the Iberian Peninsula, and exceeding 30·0 ins. in a "col." joining the Spanish and Russian systems. Lowest, (1) 29·35 ins. in a depression near Constantinople; (2) 29·5 ins. and less over the north-west of Ireland, and below 29·7 ins. in a secondary over the north-east of England. Depression off the Irish coasts subsequently advancing eastwards over the north of Ireland and the Irish Sea; secondary system over the north-east of England entirely disappearing.

Wednesday, 4th April.

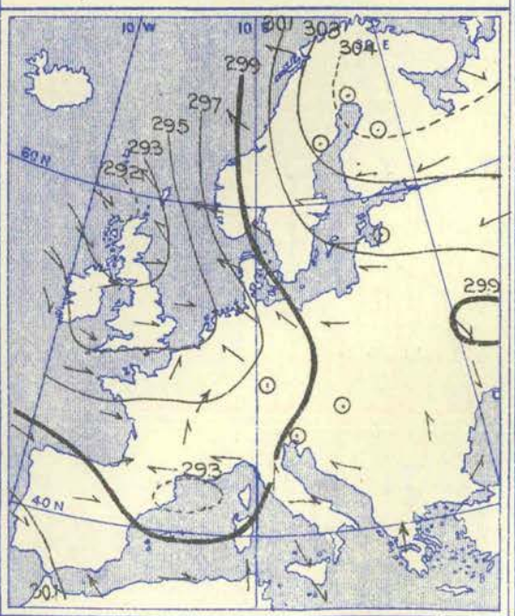
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the west and south of our Islands generally, but showery in the west of Ireland, rain falling at several of our northern stations and snow at Sumburgh Head. Fine in the west of Norway, and also over Denmark, north Germany, Austria, and Italy; cloudy in other parts of the Continent, with rain over the Spanish Peninsula and the south of France, and snow at Belfort, Wiesbaden, Hermanstadt, and Kharkov. Showers falling during day over nearly the whole of western Europe, and rain over northern Italy and the adjacent parts of Austria.

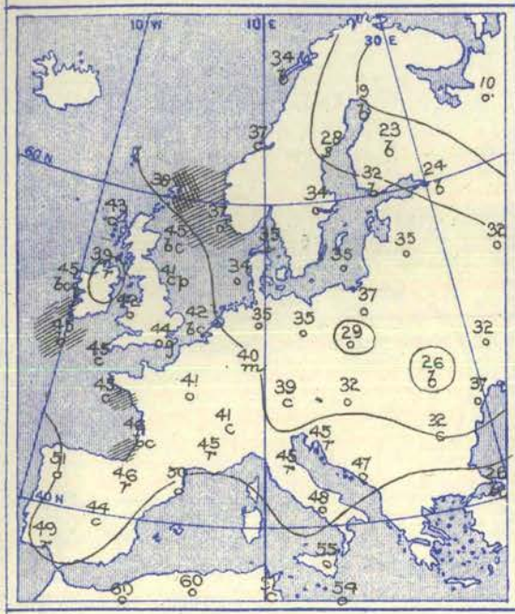
Temperature risen in most countries, but fallen in Austria and Italy. Morning readings highest, 57° at Lisbon and Algiers, 56° at San Fernando, and 55° at Oran, Athens, and Patras; highest in our Islands 49° at Scilly and Jersey. Lowest, (1) – 11° Fahr. at Archangel, 10° at Haparanda, and 21° at Kuopio; (2) 19° at Vienna and 22° at Prague. Rising during day to 50° and upwards in many parts of England and Ireland, and to 56° in London; exceeding 55° also at several of the French stations, and exceeding 60° over Spain and southern Italy.

Wind Westerly over the greater part of Ireland, England, and the north of France, and strong in force in the St. George's and Bristol Channels, but Southerly at Valencia. South-Easterly over the Netherlands, Germany, Denmark, Norway, and Scotland, and strong in force on the eastern shores of the North Sea, with a gale at Skudesnaes. Calm or variable over the Gulf of Bothnia, Easterly over Finland and the Baltic, variable over Austria, Italy, and the south of France. Westerly or North-Westerly over the Spanish Peninsula. No important change occurring during day, but wind shifting to the North-Westward on our own extreme west and south-west coasts.

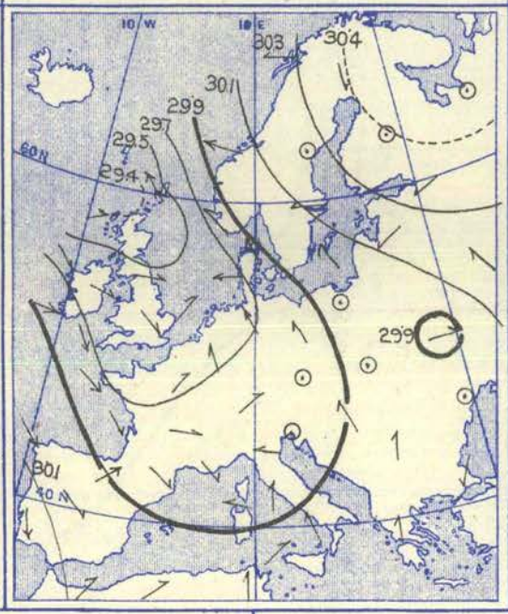
Barometer highest, 30·50 ins. at Archangel, 30·1 ins. and upwards in an anticyclone lying over the whole of northern Russia and the greater part of Scandinavia, and also in another system over Algeria and the southern parts of the Spanish Peninsula. Lowest, 29·2 ins. and less, in a depression over the north of our Islands, and also in a small secondary system off the Norfolk coast. Depression partially filling up later and barometer rising over western Europe generally.

Thursday, 5th April.

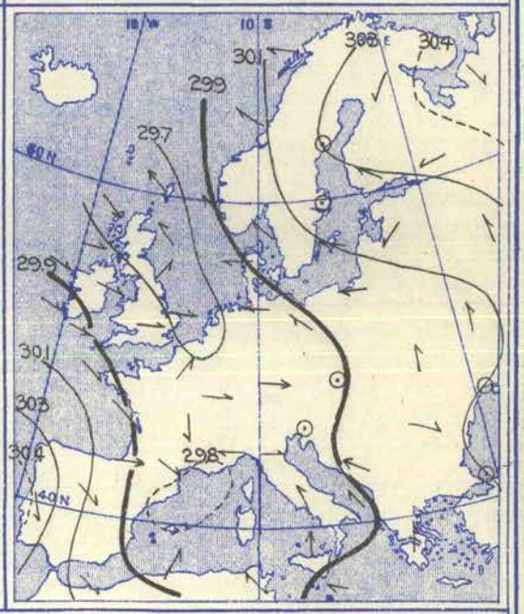
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine generally over northern and south-eastern Europe, changeable and showery in the west—clear in some localities, rather showery in others. Showers, more or less, later in nearly all parts of north-western Europe, and considerable falls of rain at some places in the northern parts of Spain and Italy and the extreme south-west of France.

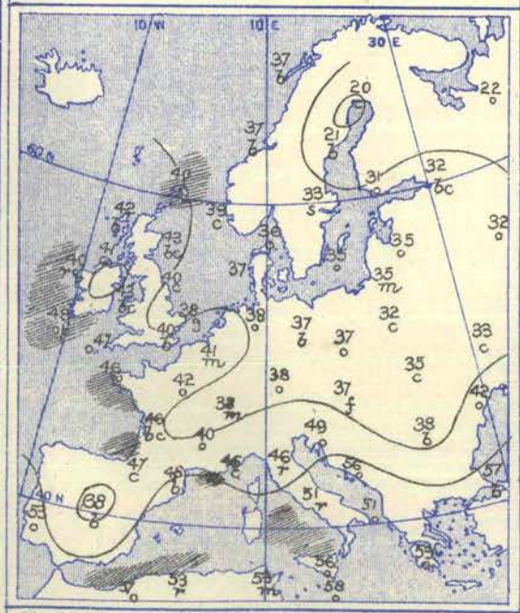
Temperature risen over central Europe, Italy, and Algeria, fallen somewhat over Ireland, England, and the north of France. Morning readings highest, 60° at Nemours and Algiers, 56° at La Calle, and above 50° on the southern and western shores of the Mediterranean generally. Lowest, 10° at Archangel, 28° at Hernösand, 24° at St. Petersburg, 32° at Moscow and Kiev, 39° at Munich; (2) 40° at Parsonstown, 41° at Loughborough. Rising during day to 50° or slightly above it in many parts of the United Kingdom and to 55° at Loughborough; exceeding 55° over Spain and the south of France, and exceeding 60° over southern Italy.

Wind (1) rather strong from South-East on the eastern shores of the North Sea and in Norway, fresh from North-West on our west and south-west coasts, lighter and more variable elsewhere. A light Southerly breeze reported over Scotland, but a South-Easterly gale at Sumburgh Head. The North-Westerly wind becoming more general in our Islands later, but falling light and inclining to back in the north of Ireland.

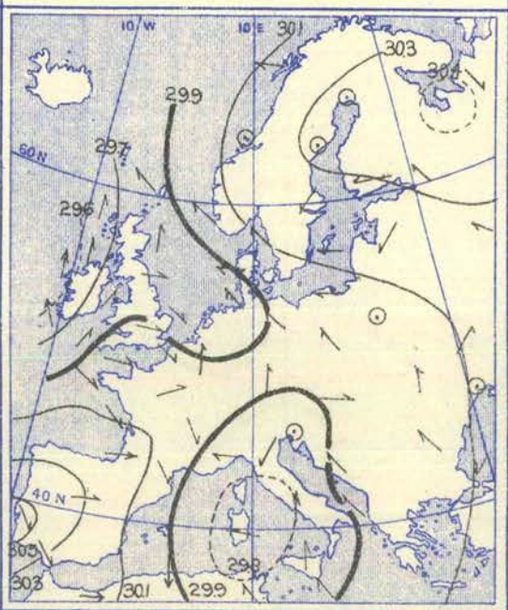
Barometer in morning highest, (1) 30·4 ins. and more to 30·0 ins. over northern Europe; (2) 30·1 ins. and more to 30·0 ins. over Portugal and the south-west of Spain; and exceeding 30·0 ins. over south-eastern Europe as a whole. Lowest, 29·4 ins. to 29·5 ins. over Scotland, and below 29·6 ins. in a badly developed "v" over the east of England and north-east of France. Rising all day over western Europe generally, but rise slackening at most western stations towards night.

Friday, 6th April.

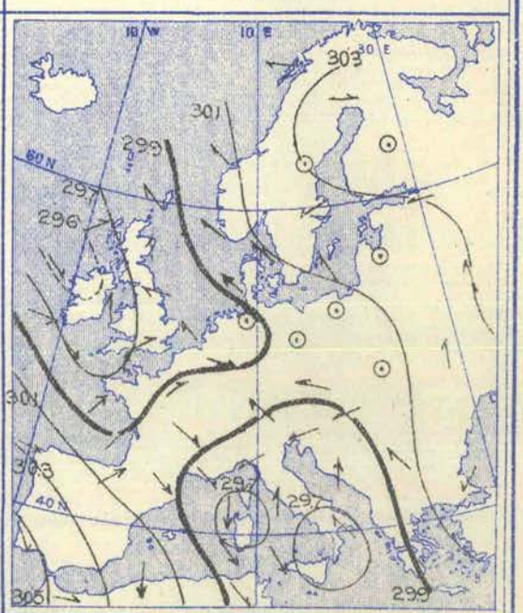
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of our Islands but rainy in the west and south of Ireland. Fine in the west of Norway and also in some parts of France, Spain and Germany, but cloudy over the Continent as a whole, with rain in Italy and snow in the south of Sweden. Rain falling later in most parts of Ireland, England, France and southern Europe, and also in the north of Scotland. Solar halo seen at Jersey.

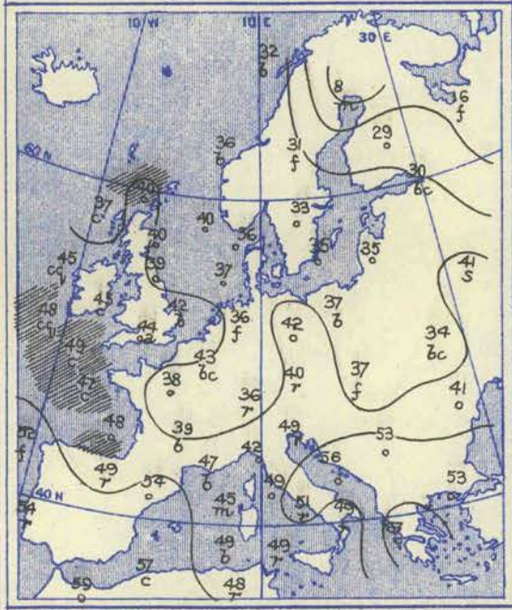
Temperature fallen a little in Great Britain and France; risen in most other countries. Morning readings highest, 59° at Patras and Sfax, and 58° at Athens and Malta; above 50° at most of the Mediterranean, Adriatic and Spanish coast stations. Lowest, 20° at Haparanda, 21° at Hernösand, and 22° at Archangel; below the freezing point at most of the Russian and Swedish stations, and below 40° in several parts of the United Kingdom. Rising during day to 50° and upwards in many parts of our Islands, France and Germany; exceeding 55° over southern Europe generally, and reaching 64° at Barcelona.

Wind Southerly or South-Westerly in the west and north of our Islands, and fresh or strong in force in the west and south of Ireland. Light to moderate from the North-Westward or Westward over the greater part of England, France and Spain; South-Easterly over Italy and the Adriatic; variable in Germany and Austria; Easterly or South-Easterly over northern Europe generally, but calm in the Gulf of Bothnia. Subsequently backing to the Southward or South-Eastward over England, and to the South-Westward in France, but shifting to the North-Westward on our extreme west and south-west coasts.

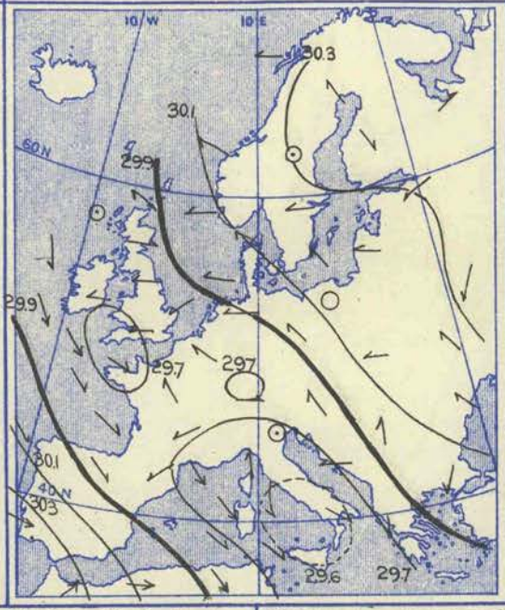
Barometer highest, 30·53 ins. at Lisbon; 30·2 ins. and upwards in an anticyclone covering the greater part of the Spanish Peninsula, and also in another system over the northern and central parts of Russia and Scandinavia. Lowest, 29·6 ins. and less in a depression off the west of Ireland; 29·3 ins. and less in another disturbance over Corsica, Sardinia and the neighbouring parts of the Mediterranean. Both depressions subsequently splitting into two portions; one portion of the Irish disturbance moving northwards and dispersing, the other passing south-eastwards across our south-west coasts.

Saturday, 7th April.

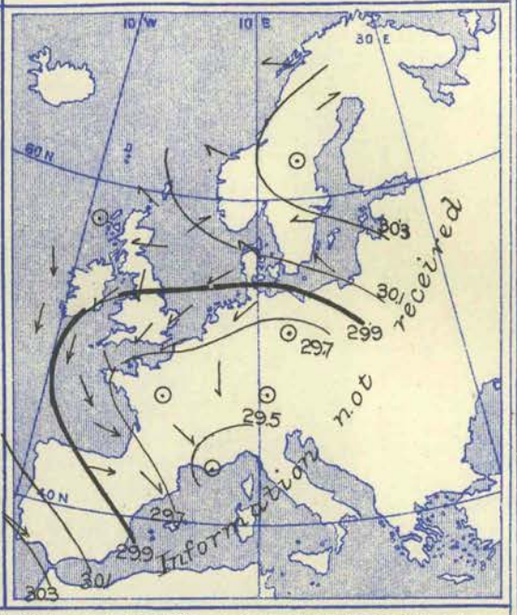
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with showers at several of our own southern stations and steady rain over Italy, Austria, and south Germany, as well as in some parts of Spain and the south-west of France. Fine at some stations in the east of England as well as over western Germany, the west of Norway, and the Gulf of Finland. Sky clearing later in many parts of the United Kingdom, but rain falling in Germany and the north of France. Lunar halos seen in the north of Ireland.

Temperature fallen over Great Britain and the western parts of the Continent generally, but risen in most other regions. Morning readings highest, 67° at Patras, 63° at Athens, and 59° at Oran; above 50° at many of the Mediterranean and Spanish coast stations, and very little below it on our own extreme south-west coasts. Lowest, 8° at Haparanda, 16° at Archangel, 26° at Uleaborg, and 29° at Kuopio. Rising during day to between 45° and 50° in most parts of the United Kingdom, and to 52° at Loughborough; exceeding 55° in the south of France, and reaching 59° at Nice and Lisbon.

Wind light to moderate from the Eastward or South-Eastward over Scandinavia, Denmark, north Germany, Austria, and the northern and eastern parts of our Islands generally, but rather variable in the east of Scotland. North-Westerly on our own extreme west and south-west coasts, and also over the Bay of Biscay and the Spanish Peninsula, and strong in force at Scilly and Biarritz; North-Easterly in the south of France; variable in Greece and Italy. Subsequently shifting to the North-Eastward in many parts of England; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards in two anticyclones—one lying over Russia and the other to the south-westward of the Spanish Peninsula. Lowest, 29·6 ins. and less in a depression over central and southern Italy; 29·7 ins. and less in another disturbance over the south-western parts of Great Britain. Latter disturbance subsequently moving south-eastwards over France, and barometer rising over north-western Europe generally.

GENERAL NOTES.

During nearly the whole of this week two high pressure systems existed—one over northern Europe, the other over or to the south-westward of the Spanish Peninsula, and at the commencement of the time a broad band extended from the former region over the North Sea and the major part of Great Britain. Later on this band gave way and the conditions over north-western Europe were influenced by two depressions which advanced from the Atlantic. The first of these appeared off our western coasts early on the 3rd and subsequently spread over the whole of our Islands and the North Sea, the disturbance occasioning rain over the western countries generally, and increasing South-Easterly winds in the north with a gale in the east of Scotland. The second advanced to the west of Ireland on the 6th and afterwards split into two portions—one of these travelling away to the northward and dispersing, while the other moved south-eastwards across our south-west coasts to France. In this case strong winds were reported over the south-west of our Islands, at first from the Southward and afterwards from the Northward, while rain again fell in most parts of western Europe.

Over the southern and eastern countries the weather was affected by another set of depressions (mostly shallow) which formed over the Mediterranean or over the south of Russia. These occasioned very little increase of wind, but frequent falls of rain in Italy and occasional heavy falls of snow in Austria and the southern parts of Russia and Germany.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 80.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	35·0	?	38	?	BRIGHTON	34·3	- 1·0	38	- 2
STRATHPEFFER SPA	22·2	+ 1·8	35	+ 1	WORTHING	35·8	?	39	?
EDINBURGH	22·7	- 2·9	25	- 3	BOGNOR	35·0*	?	38*	?
MORPETH	27·9	?	30	?	WATERGATE (Emsworth)	28·9	?	32	?
NEWCASTLE-ON-TYNE	22·0	?	24	?	WESTBOURNE (Emsworth)	32·7*	- 5·8	36*	- 8
OSWALDKIRK (Yorkshire)	28·3	- 1·7	31	- 2	VENTNOR HOSPITAL	37·8	?	42	?
YORK	20·8	- 8·2	23	- 8	SOUTHPORT	40·6	?	45	?
LOWESTOFT	26·2	?	29	?	RHYL	35·7*	?	39*	?
HOLLESLEY BAY	33·1	?	36	?	COLWYN BAY		?		?
SHEFFIELD	? 40·3	?	? 44	?	ABERDOVEY	28·9*	?	32*	?
WORKSOP	33·7	+ 6·6	37	+ 6	TENBY	27·3	- 13·3	30	- 16
THURCASTON (Leicestershire)	36·8	+ 9·8	40	+11	NEWQUAY	26·4	- 11·1	29	- 12
MARGATE	21·2	- 11·0	23	- 13	TORQUAY	29·2	- 9·8	32	- 11
EASTBOURNE	37·8	+ 0·6	42	+ 1	GUERNSEY	36·9*	- 3·9	41*	- 5

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°	—	—	—	—	—	—	—
Week ending Feb. 17th, 1900	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	? 15·5	? + 0·8	? 23	? + 1
" " " " "	Newquay	—	—	—	—	—	—	—	—	—	—	—	23·4	+ 4.4	34	+ 6
" " " 24th, "	Clifton	56	33	50·6	40·0	45·3	+ 3·5	32	6	7	2·70	+ 2·16	—	—	—	—
" " " " "	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	22·4	?	32	?
" " " March 10th,	Clifton	55	35	43·9	36·3	40·0	- 1·8	5	21	2	0·26	— 0·20	—	—	—	—
" " " " "	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	5·2	?	7	?

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 15.] *Third Series.* WEEK ENDING SATURDAY, APRIL 14TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 86.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. or the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	28	48·7	36·6	42·3	0 (average)	25	+ 5	15	- 9	83	-52	605	+ 54
	1. SCOTLAND, EAST	61	28	51·9	36·5	43·9	1 above	36	+ 9	15	-11	105	-77	657	+ 72
	2. ENGLAND, N.E.	61	29	52·5	38·8	45·3	2 above	37	+12	9	-11	109	-72	500	- 6
	3. ENGLAND, EAST	64	28	55·1	39·1	46·7	2 above	45	+12	8	-13	171	-58	505	- 64
	4. MIDLAND COUNTIES	64	28	54·4	38·4	46·0	1 above	43	+ 6	10	-12	166	-86	537	- 32
	5. ENGLAND, SOUTH	64	31	53·7	40·6	46·8	1 above	39	+ 3	4	-13	239*	-25	380	- 76
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	59	24	50·8	39·1	44·7	0 (average)	31	+ 3	8	-10	132	-63	492	+ 71
	7. ENGLAND, N.W.	59	30	50·5	39·6	44·8	0 (average)	50	+ 1	7	- 9	127	-68	438	+ 13
	8. ENGLAND, S.W.	62	26	53·4	41·7	47·3	1 above	38	+ 3	1	-10	255	-36	325	- 17
	9. IRELAND, NORTH	60	32	51·7	40·1	45·6	0 (average)	33	0	5	-10	166	-90	415	+ 50
	10. IRELAND, SOUTH	62	34	53·7	43·0	48·1	1 above	43	+ 6	0	-11	260	-90	373	+ 94
	—CHANNEL ISLANDS	57	41	53·5	46·0	49·6	1 above	53	+13	0	- 3	419	+47	97	- 50

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 86.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	22	16 more	77	+ 5	14·5	- 0·7	31	0	32	0	255	+32	25	+ 4
	1. SCOTLAND, EAST	5	7	2 more	63	+ 7	9·9	+ 1·5	33	+ 3	35	+ 2	260	- 8	25	- 1
	2. ENGLAND, N.E.	4	5	1 more	62	+ 9	8·9	+ 2·5	33	+ 2	35	+ 2	238	-34	22	- 3
	3. ENGLAND, EAST	3	2	2 less	62	+10	8·5	+ 2·4	37	+ 2	39	+ 1	302	-22	26	- 2
	4. MIDLAND COUNTIES	3	3	1 less	57	+ 7	9·6	+ 2·6	31	- 1	33	- 2	245	-16	24	- 2
	5. ENGLAND, SOUTH	4	2	3 less	58*	+10	10·2*	+ 2·6	40	+ 2	42	+ 2	290	-31	26	- 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	17	10 more	66	+ 6	14·8	- 1·1	34	0	36	0	275	+11	26	+ 1
	7. ENGLAND, N.W.	5	11	6 more	60	+ 5	10·8	+ 2·0	28	- 7	30	- 7	278	+13	26	+ 1
	8. ENGLAND, S.W.	5	4	2 less	66	+11	15·1	+ 3·7	30	-10	32	-11	307	-37	28	- 4
	9. IRELAND, NORTH	7	11	6 more	73	+ 9	10·2	+ 0·8	23	- 8	24	- 9	287	+25	27	+ 2
	10. IRELAND, SOUTH	5	8	2 more	67	+ 9	12·0	+ 0·6	17	-19	18	-21	301	-15	28	- 2
	— CHANNEL ISLANDS	5	2	3 less	76	+15	13·8	+ 4·2	37	- 1	39	- 2	322	-54	30	- 5

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was very unsettled, with frequent rain in all the western and northern districts, but over the more eastern and southern parts of England the conditions, although changeable, were less unfavourable, and the falls of rain were slight.

Temperature was considerably higher than of late, and slightly above the mean for the time of year in most districts ; in Scotland N. and W., England N.W., and Ireland N., however, it only just equalled the normal. The highest of the maxima were recorded on the last day of the week, when the thermometer rose to 64° over central, southern and eastern England, and to between 55° and 62° elsewhere. The lowest of the minima occurred during the earlier part of the period, and ranged from 24° in Scotland W., and 26° in England S.W., to 28° in many other districts, to between 32° and 34° in Ireland, and to 41° in the Channel Islands.

Rainfall greatly exceeded the mean in the north and west of Scotland, the north-west of England, and the north of Ireland, and slightly exceeded it in Scotland E., England N.E. and Ireland S. In all other districts there was a deficit.

Bright Sunshine was fairly abundant over the east and south of Great Britain, but was little prevalent elsewhere. The percentage of the possible duration ranged from 42 in England S., and 39 in the Channel Islands and England E., to 30 in England N.W., 24 in Ireland N., and 18 in Ireland S.

Barometer and Wind.—Several depressions, both primary and secondary, passed over or in the immediate neighbourhood of the United Kingdom during this period, the former in the north and the latter further to the southward. Some of these systems were rather deep, and the resulting South-Westerly to North-Westerly winds experienced over our Islands were frequently fresh or strong, and occasionally attained the force of a strong gale.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 85 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	48	35	45·4	37·0	41·0	+ 0·2	10	18	6	0·84	+ 0·36	*	*	*	*
	Stornoway	51	35	48·0	37·0	42·2	− 0·3	22	14	7	1·77	+ 1·15	35·0	+ 2·1	36	+ 1
	Wick	55	35	49·0	37·6	43·0	+ 0·7	25	12	7	0·63	+ 0·25	*	*	*	*
	Lairg Ⓢ	54	31	50·5	34·0	41·9	0·0	24	32	6	1·33	+ 0·76	*	*	*	*
	Glencarron Ⓢ	49	29	46·6	34·7	40·4	− 1·5	13	27	7	4·89	+ 3·91	*	*	*	*
	Fort Augustus Ⓢ	54	28	51·4	36·5	43·6	+ 0·3	34	15	7	2·39	+ 1·95	28·6	+ 3·3	30	+ 5
	Fort William Ⓢ	53	36	49·7	39·3	44·3	+ 0·4	27	8	7	3·25	+ 2·45	22·7	− 7·3	24	− 8
1. SCOTLAND E.	Nairn	58	28	52·0	35·0	43·1	− 0·2	37	20	7	0·85	+ 0·57	*	*	*	*
	Aberdeen	61	35	53·1	37·6	45·0	+ 1·9	39	12	4	0·22	− 0·26	42·6	+ 8·6	44	+ 8
	Braemar Ⓢ	52	28	46·4	33·4	39·6	− 0·4	12	31	5	0·47	− 0·03	12·0†	−18·0†	13†	−19†
	Ochtertyre Ⓢ	58	33	53·3	36·7	44·6	+ 1·1	40	15	7	0·92	+ 0·34	*	*	*	*
	Leith	59	33	55·1	38·1	46·2	+ 1·7	46	11	4	0·52	+ 0·15	*	*	*	*
	Marchmont Ⓢ	55	32	51·7	38·1	44·6	+ 2·1	35	11	5	1·01	+ 0·47	37·0	+ 7·1	39	+ 6
2. ENGLAND, N.E.	Alnwick Castle	59	30	52·9	37·5	44·8	+ 2·6	39	13	5	0·85	+ 0·35	*	*	*	*
	Durham	61	29	52·9	37·7	44·9	+ 1·5	38	12	4	0·32	− 0·16	33·9	+ 5·9	36	+ 6
	Shields	61	33	53·7	38·7	45·8	+ 2·7	40	9	6	0·63	+ 0·19	*	*	*	*
	Scarborough Ⓜ	59	35	53·5	39·8	46·3	+ 2·2	39	6	3	0·44	+ 0·04	?	?	?	?
	Spurn Head	53	37	49·6	40·3	44·7	+ 1·0	26	5	4	0·24	− 0·08	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	60	34	54·8	38·7	46·4	+ 1·1	45	9	3	0·35	− 0·05	34·4	+ 1·4	37	+ 1
	Yarmouth	60	37	52·6	40·4	46·2	+ 2·4	36	4	4	0·17	− 0·23	*	*	*	*
	Geldeston	62	34	55·2	39·5	47·0	+ 2·3	46	7	4	0·20	− 0·18	29·8	− 7·1	32	− 8
	Cambridge	64	33	57·1	38·7	47·5	+ 1·8	52	9	3	0·10	− 0·27	41·2	+ 6·2	44	+ 6
	Felixstowe	60	35	55·5	39·6	47·2	+ 2·4	46	7	2	0·11	?	39·8†	?	42†	?
	Rothamsted	62	28	55·1	37·9	46·1	+ 1·4	46	11	4	0·18	− 0·28	41·6	+ 8·0	44	+ 8
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	61	30	54·9	39·1	46·7	+ 1·5	45	8	3	0·24	− 0·16	*	*	*	*
	Loughborough	62	29	55·6	37·4	46·1	+ 0·4	48	13	3	0·43	+ 0·03	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle Ⓜ	60	32	52·1	36·8	44·1	+ 0·2	37	15	3	0·52	+ 0·02	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	61	33	53·2	39·0	45·8	+ 1·5	39	8	4	0·31	− 0·11	36·2	?	39	?
	Churchstoke Ⓜ	57	28	53·0	38·3	45·3	+ 1·5	39	10	4	0·55	+ 0·12	28·6	− 4·1	30	− 5
	Hereford (Belmont) Ⓜ	64	30	56·6	39·7	47·7	+ 1·8	50	6	3	0·16	− 0·26	*	*	*	*
	Cirencester	59	30	54·4	37·7	45·7	+ 1·2	44	12	4	0·18	− 0·32	40·6	+ 6·8	43	+ 7
	Oxford	61	33	55·0	39·1	46·7	+ 0·7	45	8	3	0·10	− 0·30	34·6	+ 1·5	37	0
5. ENGLAND, S.	London	64	31	56·4	40·3	47·9	+ 1·0	48	5	4	0·21	− 0·19	32·6†	+ 4·6†	35†	+ 5†
	Cranley Ⓜ												*	*	*	*
	Dungeness	60	33	53·1	41·1	46·8	+ 1·2	37	3	4	0·11	− 0·31	38·8	?	41	?
	Hastings (St. Leonards)	57	37	52·1	41·4	46·5	+ 0·2	34	2	4	0·23	− 0·27	43·0	+ 4·0	46	+ 4
	Southampton	63	34	56·9	41·8	49·0	+ 1·5	50	1	4	0·25	− 0·23	42·2	+ 4·2	45	+ 4
	Portland Bill	52	32	50·1	40·1	44·8	− 0·8	28	5	3	0·07	?	*	*	*	*
	Shaftesbury Ⓜ	59	31	53·4	38·8	45·8	+ 1·0	40	9	3	0·20	− 0·36	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	37	49·9	39·8	44·6	− 0·4	27	6	7	2·03	+ 1·13	*	*	*	*
	Glasgow	53	33	49·9	39·2	44·3	+ 0·4	28	8	7	1·14	+ 0·64	29·4	+ 1·6	31	+ 2
	Glenlee Ⓢ	59	24	52·9	37·8	45·0	+ 1·5	39	12	7	2·22	+ 1·50	*	*	*	*
	Douglas (Isle of Man)	54	31	50·5	39·6	44·8	+ 0·2	30	7	6	1·36	+ 0·77	38·0	− 1·7	40	− 3
7. ENGLAND, N.W.	Newton Reigny	56	30	51·2	37·3	43·9	+ 1·2	33	13	6	1·72	?	29·1	?	31	?
	Stonyhurst	53	32	47·1	34·2	40·3	− 4·2	14	28	6	1·69	+ 1·08	20·9	−10·4	22	−12
	Blackpool Ⓜ	52	31	49·7	39·2	44·2	− 0·8	27	8	5	1·15	+ 0·70	28·3	− 2·0	30	− 2
	Manchester (Prestwich)	59	32	51·6	38·1	44·5	− 0·3	34	11	5	1·15	+ 0·66	16·2	?	17	?
	Liverpool Obsy. (Bidston)	58	37	51·7	40·6	45·9	+ 0·1	33	4	3	0·36	− 0·04	28·6	?	30	?
	Llandudno Ⓜ	56	44	52·0	45·5	48·6	+ 2·0	46	0	5	0·85	+ 0·40	24·1	− 7·7	26	− 7
	Holyhead	53	40	50·1	42·3	46·0	0·0	28	0	5	0·63	+ 0·18	*	*	*	*
8. ENGLAND, S.W	Llandovery	58	26	53·9	37·4	45·3	− 0·2	42	13	6	0·82	+ 0·18	*	*	*	*
	Pembroke	51	40	49·3	43·9	46·5	+ 0·6	32	0	4	0·38	− 0·09	23·4	−16·6	25	−19
	Clifton	60	34	54·8	42·1	48·2	+ 2·5	43	0	3	0·36	− 0·16	*	*	*	*
	Arlington (N. Devon)	52	31	50·7	39·6	44·9	+ 1·2	30	7	5	0·67	0·00	*	*	*	*
	Cullompton Ⓜ	62	31	56·2	40·9	48·2	+ 1·2	48	3	5	0·17	− 0·38	35·0	0·0	37	0
	Falmouth	56	40	53·2	44·6	48·7	+ 1·8	47	0	5	0·30	− 0·35	34·8	− 5·2	37	− 7
	Plymouth	58	37	55·7	43·4	49·3	+ 1·4	51	0	5	0·21	− 0·32	26·4	−12·6	28	−14
9. IRELAND, N	Malin Head	51	26	48·7	41·0	44·7	− 0·4	23	3	7	0·34	?	*	*	*	*
	Londonderry	57	35	52·4	38·7	45·2	− 0·9	36	9	6	1·37	+ 0·83	*	*	*	*
	Edenfel (Omagh)	57	32	50·9	38·9	44·6	+ 0·7	31	9	7	1·46	+ 0·96	*	*	*	*
	Blacksod Point	54	40	50·9	42·6	46·6	− 0·2	32	0	7	1·50	?	*	*	*	*
	Markree Castle	59	37	52·4	41·5	46·7	+ 1·4	35	1	7	1·36	+ 0·85	22·2	− 9·6	23	−12
	Armagh	60	32	53·9	39·1	46·1	+ 1·4	41	8	7	0·82	+ 0·34	23·9	− 6·1	25	− 7
	Donaghadee	59	34	52·9	38·7	45·5	+ 0·2	38	9	7	1·05	+ 0·56	*	*	*	*
10. IRELAND, S.	Dublin	62	36	55·8	43·0	49·1	+ 2·4	50	0	5	0·64	+ 0·16	27·5	− 8.7	29	−10
	Parsonstown	56	38	53·6	42·0	47·7	+ 2·0	40	0	6	0·84	+ 0·34	19·5	−14·5	21	−16
	Kilkenny	57	34	53·9	42·3	47·8	+ 1·4	41	0	5	0·78	+ 0·27	*	*	*	*
	Roche's Point	56	42	52.7	44·9	48·6	+ 1·0	46	0	3	0·31	− 0·40	*	*	*	*
	Valencia	55	42	52·6	45·0	48.6	+ 0·4	46	0	7	0·89	+ 0·06	4·8	−33·2	5	−36
	Killarney	59	41	54·6	43·9	49·0	+ 2·3	49	0	6	1·19	?	*	*	*	*
	Foynes	57	37	52·8	39·7	45·9	− 0·2	37	6	3	0·66	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	44	53·3	46·6	49·8	+ 1·6	55	0	4	0·14	− 0·37	25·2	?	27	?
	Jersey	57	41	53·6	45·3	49·3	− 0·7	51	0	6	0·23	− 0·27	40·1	0·0	43	0

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorologica Society.

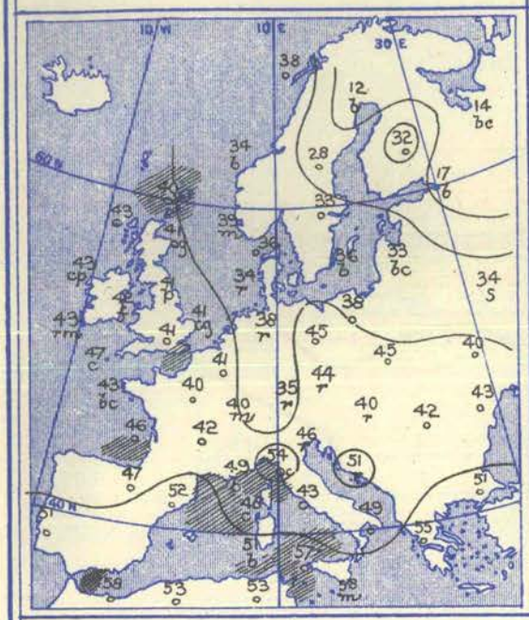
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

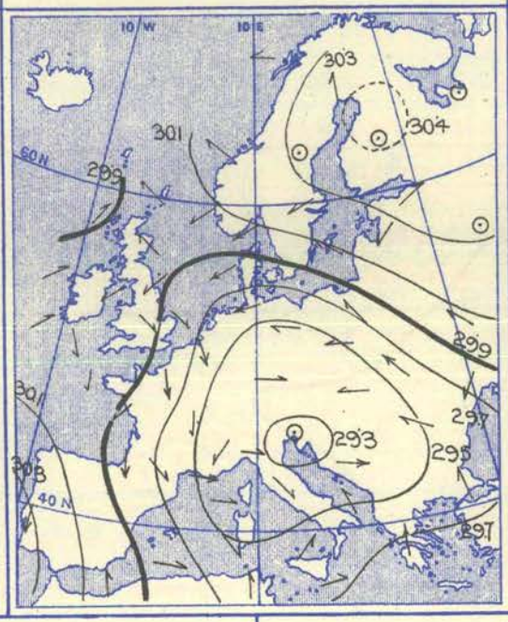
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake

Sunday, 8th April.

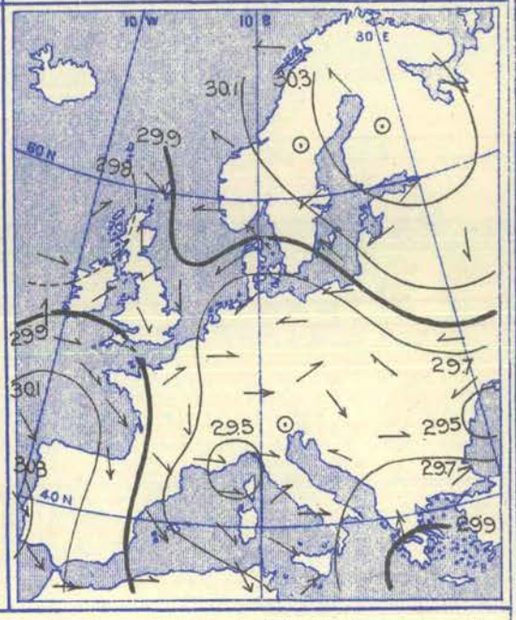
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine generally over the British Isles, but rather cold for time of year; fine also over the northern and south-western parts of the Continent; very rainy and unsettled over central Europe and Italy; dull over France; rainy over Algeria. Showers later in nearly all parts of our Islands and north-western Europe—heaviest over Scandinavia; some fog in places.

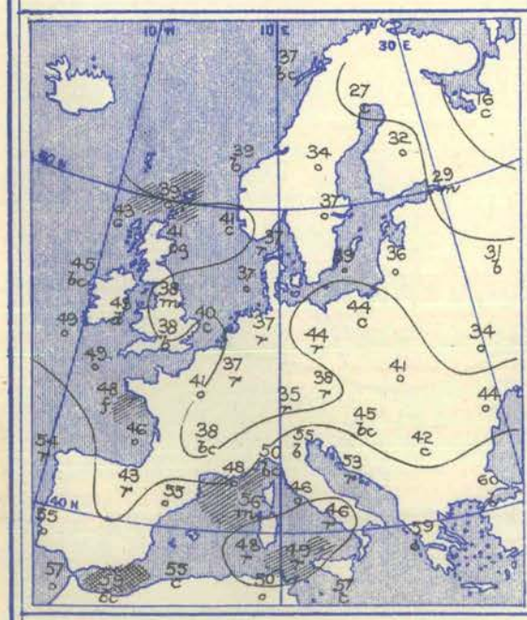
Temperature risen somewhat over central Europe; fallen over the British Islands. Morning readings highest, 58° at Nemours and Malta, 52° at Barcelona, 51° at Cagliari, 47° at Scilly, 43° at Valencia Island, Blacksod Point and Stornoway, 45° over south Germany. Lowest, 12° at Haparanda, 14° at Archangel, 17° at St. Petersburg, 30° at Hangö, 34° at Fanö, 38° at Cuxhaven. Rising later to 51° at Leith, 50° at Nairn and at several of our south-western coast stations, to 61° at Nice.

Wind (1) light and variable at the stations in our Islands (South-Westerly in the extreme west, North-Westerly in the east); (2) Easterly and fresh to strong over the Baltic and Denmark; moderate over north Germany; South-Easterly in Poland; Westerly (variable) over the northern parts of the Mediterranean and Adriatic. The South-Westerly wind becoming more general at our western stations later, the cyclonic circulation over.

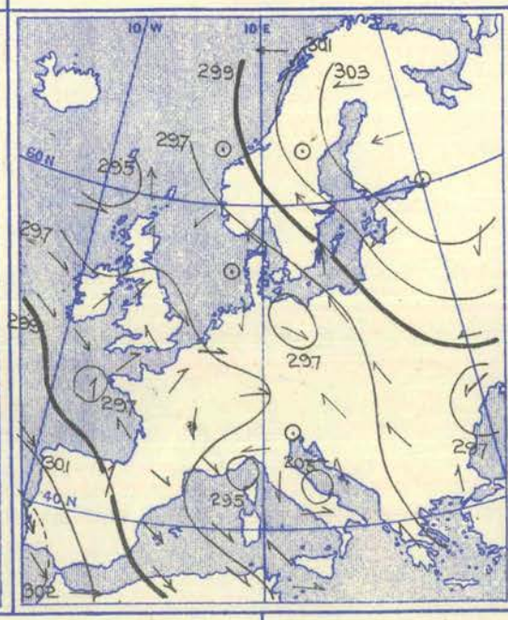
Barometer highest, (1) 30·4 ins. to 30·0 ins. over northern Europe and Russia; (2) 30·3 ins. and more to 29·9 ins. over the Spanish Peninsula; (3) 30·73 ins. in the Azores. Lowest, (1) 29·3 ins. and less to 29·4 ins. in a well-marked depression over central Europe; (2) 29·9 ins. and less off our own extreme north-west coasts. Falling later over the British Islands; rising over Austria and central Europe.

Monday, 9th April.

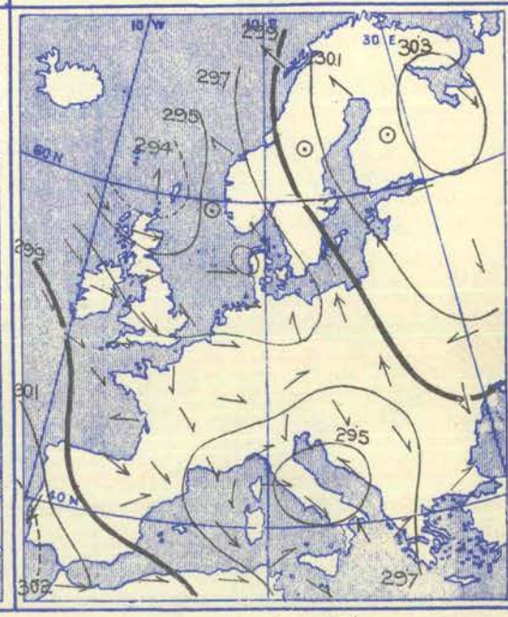
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over northern and eastern Europe, and moderately fair as a whole in the south-western countries, changeable and unsettled over the Mediterranean and central Europe with rain in places, inclined to be squally and showery in our islands. Showers falling later more or less in almost all parts of the United Kingdom and squalliness increasing.

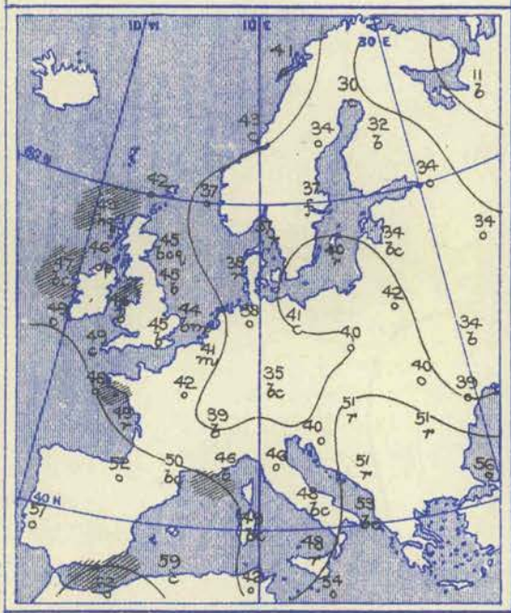
Temperature changing little and irregularly. Morning readings highest, 60° at Constantinople, 59° in Greece and at Oran, 55° at Barcelona and Lisbon, 54° at Corunna; 49° on our own south-west coasts, 44° at Malin Head and Portland Bill, 41° at Skudesnaes and at Lemberg. Lowest, (16°) at Archangel, 27° at Haparanda, 29° at St. Petersburg, 31° at Moscow; 35° at Munich; (2) 31° at Loughborough, 38° in London. Rising later to between 50° and 53° in many parts of our Islands, to 54° in France, 55° at Nice, 59° at Perpignan. Succeeding night cold again over England

Wind (1) very variable both in force and direction over our islands, South-Easterly to Easterly over the countries lying to the Eastward of the North Sea; (2) light and variable (anticyclonic) over central and south-western Europe; (3) rather stronger and cyclonic over the northern and eastern parts of the Mediterranean and Italy. Becoming North-Westerly more generally in our Islands later, and increasing in force on our northern coasts.

Barometer in morning highest (1) 30·3 ins. and more in the north of Russia, and exceeding 29·9 ins. over nearly the whole of Russia and northern Europe. (2) 30·69 in the Azores and 30·2 ins. and more to 29·9 ins. over the Iberian Peninsula. Lowest 29·5 ins. off our northern coast, and also over north-west Germany; small, shallow local disturbances over the Bristol Channel and off Brest. The northern depression growing deeper later, the small one near Brest moving southwards, and pressure as a whole giving way somewhat over northern Europe.

Tuesday, 10th April.

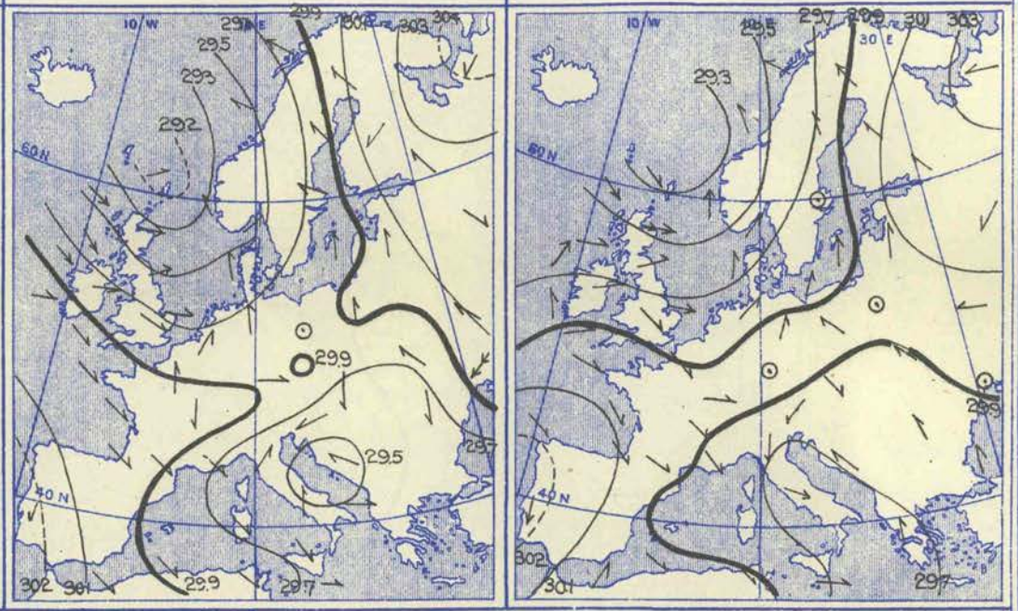
Temperature and Weather. 8 a.m.



Weather in morning still rather cold for time of year in most places, but inclined to become milder; fine over Russia and northern Europe, fair over the central and south-western countries; changeable in our Islands, though clear in places, and also over the Mediterranean. Rain later all over our Islands and their neighbourhood, and amount *reported* to be very large at Stockholm.

Temperature rising slightly over most parts of Europe, but fallen slightly over Germany. Morning readings highest, (1) 62° at Nemours, 59° at Algiers, 57° at Lisbon, above 50° in many parts of central Europe; (2) 49° at Rochefort, Scilly, and Valencia, and above 40° all over our Islands. Lowest, 11° at Archangel, 29° at Uleaborg, 30° to 34° over Russia, 35° at Faerder, 38° in Holstein. Rising later to between 56° and 50° over the greater part of the United Kingdom, to 55° at Paris, Lyons, and Biarritz, 61° at Perpignan.

Barometer and Wind. 8 a.m. 6 p.m.

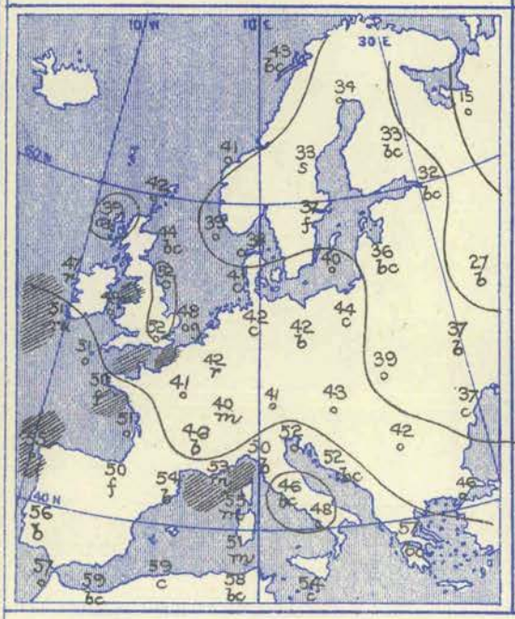


Wind (1) North-Westerly to Westerly, fresh to strong over our Islands, South-Easterly over Scandinavia; (2) moderate and North-Westerly over the Spanish Peninsula, variable over central Europe and Russia; (3) cyclonic but not strong over the Mediterranean. Becoming more Southerly later over northern Europe, and backing to South-West and South in Ireland and freshening.

Barometer (1) highest, 30·43 ins. at Archangel, and varying from that value to 29·9 ins. all over Russia; (2) 30·6 ins. in the Azores, and ranging from 30·2 ins. and more at Lisbon to about 29·9 ins. in the north-east of Spain. Barometer rising over France and southern Europe later, falling decidedly in the west of Ireland. New disturbances approaching Ireland.

Wednesday, 11th April.

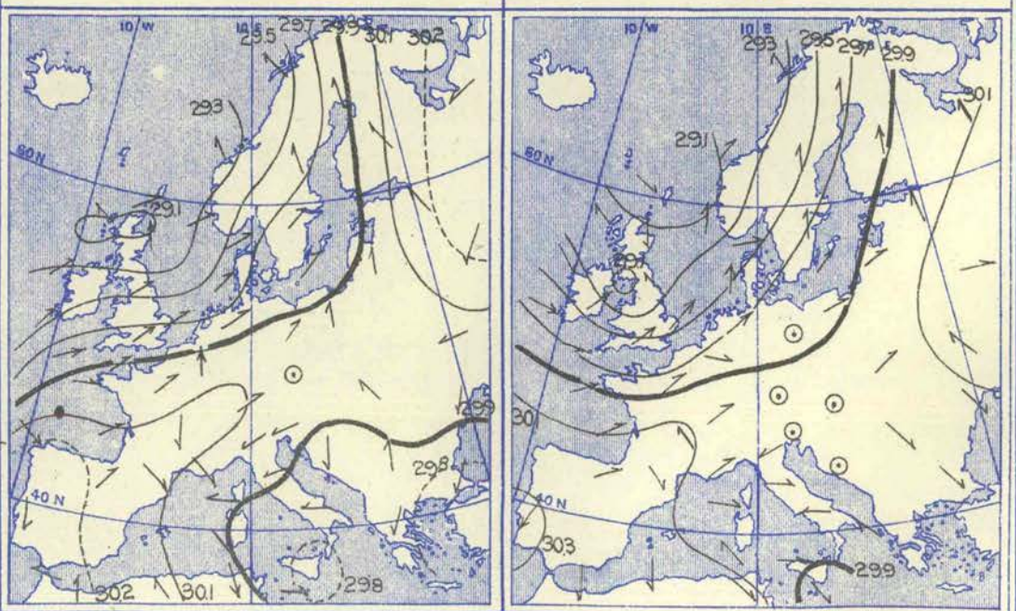
Temperature and Weather. 8 a.m.



Weather in morning fine over Russia and southern Europe; fair over Germany; changeable and showery over the British Islands as a whole and the north of France. Rain falling later all over the British Islands and their neighbourhood, but the amounts not large (nowhere as much as 0·4 in.). Lunar halo seen at Stornoway, and except at Aberdeen the amount of bright sunshine small.

Temperature higher than of late in most places. Morning readings highest, (1) 59° at Algiers, 58° at La Calle, 57° at Athens, 56° at Lisbon, and above 50° in many parts of our Islands; (2) 46° at Vienna, 45° at Breslau. Lowest, 15° at Archangel, 27° at Moscow, 32° at St. Petersburg, 33° at Hernösand, 38° at the Scaw and at Nairn, 39° at Wick and Stornoway. Rising later to between 50° and 58° almost all over our Islands, to 55° in many parts of France and Germany, to 64° at Nice and 68° at Perpignan.

Barometer and Wind. 8 a.m. 6 p.m.

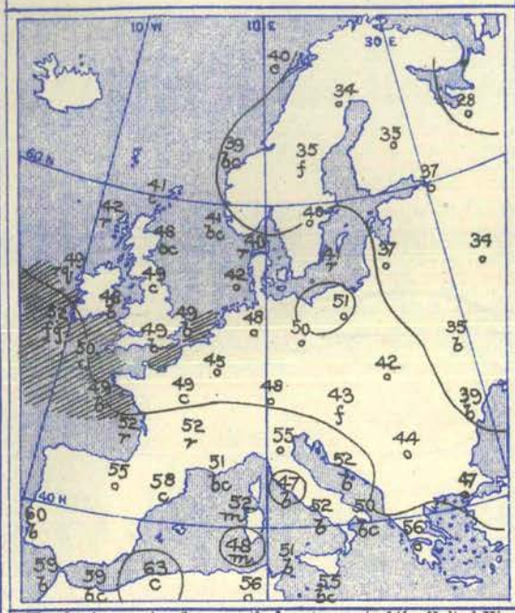


Wind (1) light and variable over the greater part of Continental Europe, but (2) South-Westerly and Westerly, strong, in our Islands (South-Easterly at Stornoway); South-Westerly to Southerly, fresh, over the North Sea and Sweden. Shifting to North-West on our western coasts later and blowing hard on our south-west coasts.

Barometer highest, (1) 30·2 ins. and more to 30·6 ins. over Russia; (2) 30·54 ins. in the Azores, and 30·2 ins. and more to 30·1 ins. over Spain, and about 30·0 ins. in a "Col" across central Europe. Lowest, (1) 29·1 ins. and less in complex depressions off our north and north-west coasts; (2) below 29·8 ins. over Asia Minor. A well-formed secondary appearing later over the north-west of England, and both primary and secondary moving north-eastward subsequently.

Thursday, 12th April.

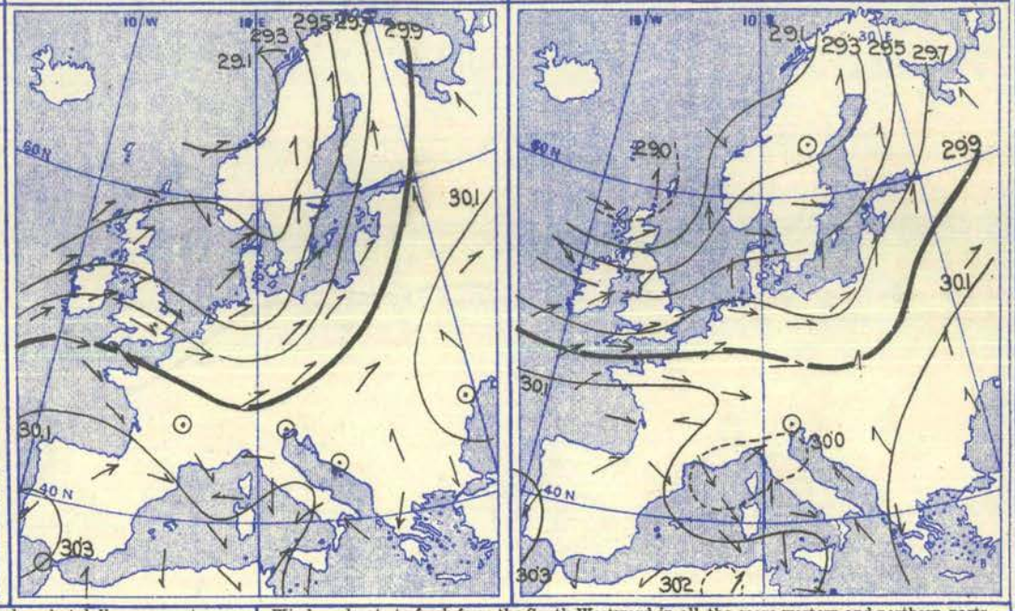
Temperature and Weather. 8 a.m.



Weather in morning fine over the greater part of the United Kingdom, but dull on our extreme western and northern coasts, with rain at Stornoway and Blacksod Point. Fine in the west of Norway, and also in Spain and Italy, but dull over the Continent generally, with rain in many parts of France, Germany, Denmark, and the south of Sweden. Rain falling later over nearly the whole of north-western Europe, but amounts mostly slight.

Temperature fallen in England, but risen in most other countries. Morning readings highest, 63° at Algiers, 60° at Lisbon, and 59° at San Fernando and Oran; above 55° at most of the Mediterranean and Spanish coast stations, and reaching 50° or a little more on our own extreme south-west coasts. Lowest, 28° at Archangel, 31° at Kiev, and 34° at Haparanda, Hangö, Moscow, and Nicolaieff. Rising during day to between 50° and 55° in most parts of the United Kingdom, and to 58° in London; exceeding 60° over southern Europe generally, and reaching 70° at Croisette.

Barometer and Wind. 8 a.m. 6 p.m.

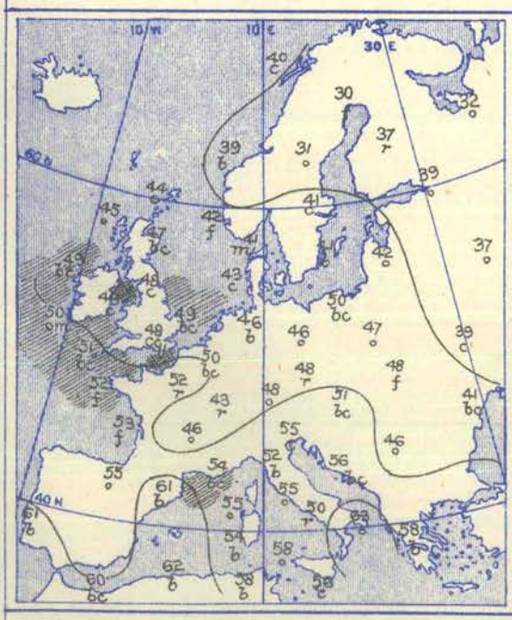


Wind moderate to fresh from the South-Westward in all the more western and northern parts of the United Kingdom, from the Westward in the south and east of England and in the Netherlands, and from the North-Westward over France. Southerly or South-Westerly over northern and central Europe generally, but rather variable in the west of Norway. Calm in the south of Russia, variable over Austria, Italy, and the Spanish Peninsula. Subsequently veering to the Westward on our own western coasts and increasing considerably in force.

Barometer highest, 30·3 ins. to 30·1 ins. in an anticyclone over the Spanish Peninsula and the western parts of the Mediterranean, and also in another system over the central and southern parts of Russia. Lowest, 29·1 ins. and less in a large but somewhat shallow depression lying off the west of Norway. Depression subsequently moving away to the north-eastward, but new and deeper disturbance appearing off the north of Scotland; barometer falling briskly on all our northern coasts.

Friday, 13th April.

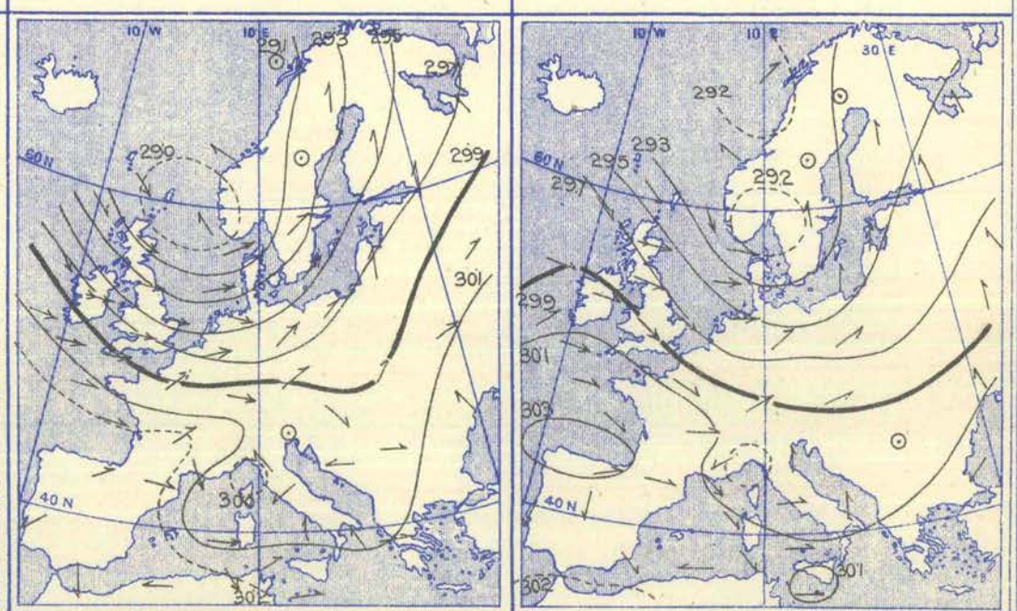
Temperature and Weather. 8 a.m.



Weather in morning squally all over Ireland, England, the Channel, and the North Sea, less disturbed in Scotland and Scandinavia, slight rain in several parts of Germany, France, and Italy. Continuing very squally over England during greater part of day, and rather so, with rain at times over the countries to the eastward of the North Sea. Much rain at Stornoway.

Temperature risen over France. Morning readings highest, 62° at Algiers, 61° at Barcelona, and above 50° all over the Mediterranean and the greater part of France, 51° at Scilly, 50° on the south coast of Ireland, and above 45° in Central Europe. Lowest (1) 32° at Archangel, 37° at Kuopio and Moscow, 36° at Kharkov; (2) 39° at Christiansund. Rising later to between 50° and 60° over nearly the whole of the British Islands; exceeding 60° over southern Europe, generally, and exceeding 70° over the Spanish Peninsula, the highest reading of all being 79° at Lisbon and San Fernando.

Barometer and Wind. 8 a.m. 6 p.m.

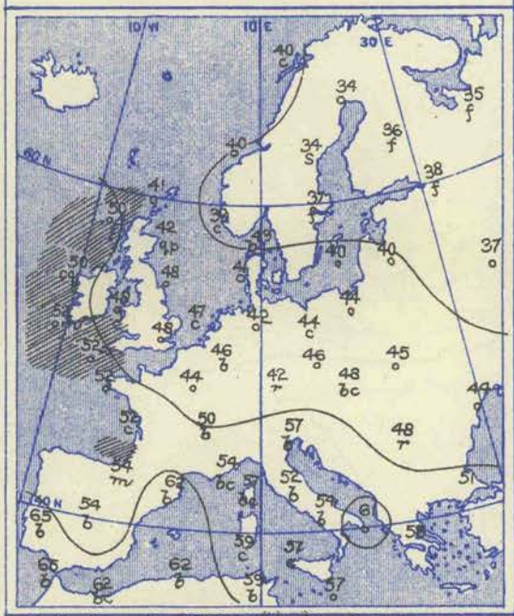


Wind variable over southern Europe, cyclonic over all the more northern countries; North-westerly over Ireland and the west of Scotland; Westerly very strong and squally over England (a hard gale on the Humber); South-westerly and strong to the eastward of the North Sea; South-Easterly and Southerly, light and variable over northern Europe. Blowing hard in squalls from West at many of the English stations during day, but moderating towards night.

Barometer highest (1) 30·2 ins. and more over the Spanish Peninsula, and exceeding 30·0 ins. over all the western and southern parts of France; (2) 30·2 ins. and more to 30·0 over the south of Russia and the south-east of Europe generally. Lowest below 29·0 ins. to 29·1 ins. in a large and rather complex depression over Norway and the north-east of Scotland, gradients very steep over the United Kingdom and the Netherlands. Barometer rising fast over the United Kingdom later, but inclined to fall again in the west of Ireland at night.

Saturday, 14th April.

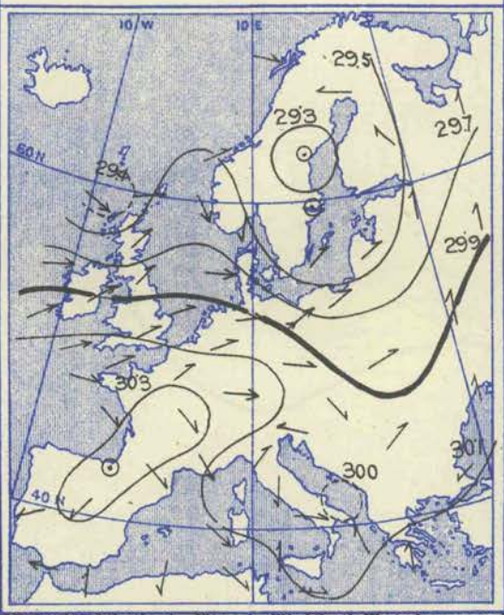
Temperature and Weather. 8 a.m.

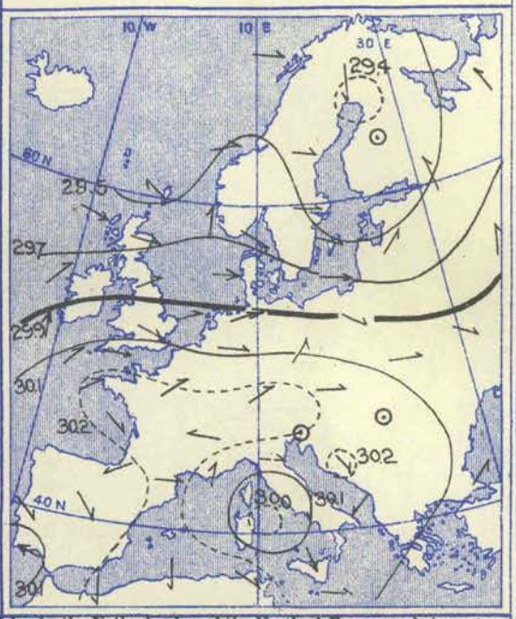


Weather in morning dull in our Islands, with rain in many parts of Ireland and Scotland. Fine over the western and southern parts of the continent generally; foggy over northern Russia; dull over Sweden and northern and eastern Germany, with snow at Hernösand and rain at Breslau, as well as at Munich and Hermanstadt. Sky clearing later over England, but weather remaining cloudy and showery in Ireland and Scotland; a little rain falling also in Denmark and the north of Sweden.

Temperature fallen in the north and east of Scotland, and also in Denmark and Germany, changed irregularly elsewhere. Morning readings 69° at Oporto, 65° at Lisbon and San Fernando, and 62° at Barcelona, Oran and Algiers; above 55° at most of the Mediterranean and Spanish coast stations, and above 50° in the south-west of our islands. Lowest 33° at Hagnö, 34° at Haparanda and Hernösand, and 35° at Archangel and Helsingfors, rising during day to 60° and upwards in many parts of England and the east of Scotland, and to 64° in London; exceeding 70° over the Spanish Peninsula and the extreme South of France, and reaching 82° at Lisbon.

Barometer and Wind. 8 a.m. and 6 p.m.





Wind South-Westerly over our Islands, the Netherlands and the North of France and strong in force on our north-west coasts. Fresh to strong from the North-Westward on the eastern shores of the North Sea; Westerly in Germany; Southerly in Russia; calm in the Gulf of Bothnia; variable in Italy; North-Easterly to Easterly over the Spanish Peninsula, subsequently backing to the Southward in the west of Ireland; no important change occurring elsewhere.

Barometer highest, 30·2 ins. to 30·3 ins. and upwards in an anticyclone lying over France and the Spanish Peninsula. Lowest, 29·3 ins. and less in a depression over the southern part of the Gulf of Bothnia; 29·4 ins. and less in another disturbance off the north-west of Scotland. Both systems moving north-eastwards later, and barometer rising slightly in all parts of the United Kingdom.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

In the course of this week there has been a great change in the distribution of pressure over Europe and consequently in the winds and weather that have been experienced.

On Sunday, 8th, there were two well-defined anticyclonic areas—one over northern, the other over south-western Europe—and in both of them the barometric readings ranged from 30·3 ins. and more to 30·0 ins. There were also two regions in which pressure was low—one off our north-western coasts, the other over the Mediterranean and central Europe. To the former region depressions were arriving from time to time from the Atlantic, while other and smaller disturbances were developed over the more southern parts of the British Islands and over north Germany; these kept the northern parts of Europe in an unsettled condition, while the Mediterranean depressions acted somewhat similarly over the southern countries, and temperature as a whole advanced very little.

The south-western high pressure, however, continued to spread north-eastwards, the northern system gave way, and gradually the former became dominant and the depressions which arrived over our northern regions failed to develop the smaller disturbances before referred to, though they in their primary form, became large, and between Wednesday and Friday were of great importance. On Friday the Westerly gales over Ireland and England were strong. Those of the southern and south-eastern countries decreased. Temperature then rose slowly as the South-Westerly and Westerly winds over the southern countries became less mingled with breezes from the Northward, and at the close of the week we had higher readings reported than at any other time during the present season, and finer weather except in the north. The appearance, however, was not at all settled, especially in the west.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 86.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	32·6	?	34	?	BRIGHTON	39·4	+ 1·4	42	0
STRATHPEFFER SPA	26·0	+ 3·6	37	+ 2	WORTHING	36·3	?	39	?
EDINBURGH	41·5	+14·5	43	+14	BOGNOR	42·7*	?	45*	?
MORPETH	36·4	?	38	?	WATERGATE (Emsworth)	37·5	?	40	?
NEWCASTLE-ON-TYNE	31·2	?	33	?	WESTBOURNE (Emsworth)	40·2*	- 0·3	43*	- 2
OSWALDKIRK (Yorkshire)	29·8	- 2·0	31	- 2	VENTNOR HOSPITAL	44·8	?	48	?
YORK					SOUTHPORT	32·5	?	34	?
LOWESTOFT	32·5	?	35	?	RHYL	41 9*	?	45*	?
HOLLESLEY BAY	37·5	?	40	?	COLWYN BAY		?		?
SHEFFIELD	29·7	?	32	?	ABERDOVEY	30·2*	?	32*	?
WORKSOP	20·5	- 8·0	22	- 9	TENBY	24·1	-10·0	26	-21
THURCASTON (Leicestershire)	25·3	- 3·7	27	- 3	NEWQUAY				
MARGATE	36·1	+ 2·2	38	+ 1	TORQUAY	35·7	- 5·1	38	- 6
EASTBOURNE	42·5	+ 3·6	45	+ 3	GUERNSEY	44·2*	+ 1·2	47*	0

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 16.] *Third Series.* WEEK ENDING SATURDAY, APRIL 21ST, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 92.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. Fo the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	33	55·0	40·9	47·6	4 above	44	+19	3	-16	127	-33	608	+ 38
	1. SCOTLAND, EAST	75	32	60·5	40·1	49·8	6 above	63	+32	5	-14	168	-45	662	+ 58
	2. ENGLAND, N.E.	74	36	59·8	42·5	50·7	7 above	61	+33	0	-14	170	-39	500	- 20
	3. ENGLAND, EAST	77	35	60·1	40·4	49·8	4 above	61	+22	4	-11	232	-56	509	- 75
	4. MIDLAND COUNTIES	76	31	62·2	40·8	51·0	5 above	68	+26	3	-13	234	-60	540	- 45
	5. ENGLAND, SOUTH	78	36	59·2	42·5	50·5	3 above	60	+18	0	- 9	301*	- 5	380	- 85
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	69	33	58·1	42·4	49·9	4 above	55	+22	0	-13	187	-41	492	+ 58
	7. ENGLAND, N.W.	71	37	58·4	44·1	50·9	5 above	62	+27	0	-11	189	-41	438	+ 2
	8. ENGLAND, S.W.	73	30	59·2	42·7	50·5	3 above	60	+19	0	- 7	315	-17	325	- 24
	9. IRELAND, NORTH	73	37	58·5	43·3	50·5	4 above	60	+23	0	-10	226	-67	415	+ 40
	10. IRELAND, SOUTH	71	38	59·0	44·3	51·3	4 above	65	+22	0	- 7	325	-68	373	+ 87
	—CHANNEL ISLANDS	69	45	57·4	47·0	51·9	3 above	69	+24	0	- 1	488	+71	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 92.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	7	1 more	81	+ 5	15·2	- 0·6	39	+ 7	39	+ 7	294	+40	26	+ 4
	1. SCOTLAND, EAST	3	3	1 less	66	+ 7	10·2	+ 1·4	47	+15	48	+15	307	+ 7	27	0
	2. ENGLAND, N.E.	3	1	3 less	65	+ 8	9·0	+ 2·2	51	+20	51	+20	289	-14	25	- 1
	3. ENGLAND, EAST	3	2	2 less	65	+ 9	8·7	+ 2·2	56	+19	57	+20	358	- 3	29	0
	4. MIDLAND COUNTIES	3	1	3 less	60	+ 7	9·7	+ 2·3	56	+24	58	+24	301	+ 7	27	0
	5. ENGLAND, SOUTH	2	1	4 less	60	+ 8	10·3	+ 2·3	58	+19	60	+20	348	-12	29	- 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	5	1 less	70	+ 7	15·3	- 1·2	48	+12	49	+11	323	+23	28	+ 2
	7. ENGLAND, N.W.	3	3	1 less	63	+ 5	11·1	+ 1·9	54	+17	55	+17	338*	+30	28	+ 2
	8. ENGLAND, S.W.	3	1	4 less	69	+11	15·2	+ 3·2	65	+23	67	+23	372	-13	32	- 1
	9. IRELAND, NORTH	3	3	1 less	76	+ 9	10·5	+ 0·6	55	+22	56	+22	342	+47	30	+ 4
	10. IRELAND, SOUTH	2	1	5 less	69	+ 8	12·1	+ 0·1	60	+22	61	+21	361	+ 7	31	0
	— CHANNEL ISLANDS	2	less than ½	4 less	78	+13	13·8	+ 3·7	65	+20	68	+21	387	-33	34	- 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather, after being unsettled and showery during the early days of the week, with hail and sharp thunderstorms at many of our eastern and south-eastern stations on Monday, became gradually fine, warm and dry in all parts of the Kingdom.

Temperature was above the mean, the excess ranging from 3° in England S. and S.W. and the Channel Islands, to 6° in Scotland E., and 7° in England N.E. The highest of the maxima were registered on the 20th in the north and on the 21st in the south. They ranged from 78° in England S. (in London), 77° in England E., 76° in the Midland Counties, and 75° in Scotland E., to 69° in Scotland W. and the Channel Islands. The lowest of the minima occurred, as a rule, either on the 17th or 18th, and varied from 30° in England S.W., 31° in the Midland Counties, and 32° in Scotland E., to 38° in Ireland S., and to 45° in the Channel Islands.

Rainfall was a little more than the mean in Scotland N., but less in all other districts. In most parts of England, in Ireland S., and the Channel Islands the fall was very slight.

Bright Sunshine was very prevalent and exceeded the mean in all parts of the Kingdom. The percentage of the possible duration ranged from 68 in the Channel Islands, 67 in England S.W., 61 in Ireland S., and 60 in England S., to between 49 and 39 in Scotland.

Barometer and Wind.—During the earlier half of the period a large depression passed eastwards over the northern parts of the United Kingdom causing fresh or strong Southerly to Westerly and North-Westerly winds very generally; some small shallow disturbances were at the same time formed in the south. By Wednesday, however, these systems had entirely disappeared, and from this time an anticyclone covered the greater part of our Islands, and light Southerly and South-Westerly winds were felt in the north and north-west; variable and Easterly airs in the south.

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* This value has been altered owing to the receipt of further information for a preceding week

II.—DATA from which the SUMMARY on page 91 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	56	36	49·3	40·3	44·6	+ 2·8	25	5	4	0·30	− 0·15	*	*	*	*
	Stornoway	62	39	53·0	41·9	47·2	+ 3·8	37	0	4	0·73	+ 0·17	43·4	+ 6·6	43	+ 6
	Wick	69	34	56·4	42·1	48·9	+ 5·5	48	0	4	0·34	− 0·05	*	*	*	*
	Lairg $	71	33	58·7	38·1	48·0	+ 4.8	58	11	4	0·37	− 0·16	*	*	*	*
	Glencarron $	66	33	54·6	40·9	47·4	+ 4·1	42	3	5	1·49	+ 0·57	*	*	*	*
	Fort Augustus $	67	37	56·6	40·5	48·2	+ 3·3	50	4	3	0·73	+ 0·25	44·1	+17·2	44	+17
	Fort William $	67	39	56·4	42·3	49·0	+ 3·1	49	0	5	1·15	+ 0·37	38·7	+ 5·2	39	+ 5
1. SCOTLAND E.	Nairn	71	32	59·1	40·0	49·1	+ 4·4	58	6	3	0·25	− 0·03	*	*	*	*
	Aberdeen	74	38	60·0	40·4	49·7	+ 5·8	61	4	5	0·18	− 0·27	53·3	+17·4	53	+17
	Braemar $	66	33	56·9	36·2	46·1	+ 5·1	53	16	3	0·38	− 0·13	38·5†	+ 7·0†	39†	+ 7†
	Ochtertyre $	75	37	62·9	39·7	50·7	+ 6·0	71	6	2	0·57	+ 0·07	*	*	*	*
	Leith $	73	40	62·7	43·1	52·4	+ 7·0	73	0	2	0·14	− 0·18	*	*	*	*
	Marchmont $	72	37	61·6	41·0	50·8	+ 7·3	66	3	2	0·23	− 0·27	52·5	+20·0	53	+19
2. ENGLAND, N.E.	Alnwick Castle	73	37	62·1	41·9	51·5	+ 8·4	67	0	3	0·14	− 0·31	*	*	*	*
	Durham	74	36	62·9	40·0	50·9	+ 6·8	71	6	3	0·13	− 0·29	53·0	+24·3	54	+25
	Shields	68	37	60·0	42·9	51·0	+ 7·1	63	0	4	0·16	− 0·22	*	*	*	*
	Scarborough ₰	72	39	60·8	43·8	51·9	+ 7·1	69	0	3	0·10	− 0·30	?	?	?	?
	Spurn Head	55	40	53·0	43·9	48·2	+ 3·4	43	0	1	0·15	− 0·15	*	*	*	*
3. ENGLAND, E.	Hillington ₰	77	35	62·8	40·0	50·9	+ 4·7	71	6	3	0·39	+ 0·01	53·6	+ 18·0	55	+18
	Yarmouth	59	37	53·4	42·7	47·8	+ 3·0	41	0	3	0·22	− 0·13	*	*	*	*
	Geldeston	75	35	60·8	39·6	49·7	+ 4·0	64	7	3	0·20	− 0·13	50·9	+ 12·3	52	+12
	Cambridge	78	37	65·4	39·4	51·8	+ 4·6	80	7	3	0·15	− 0·20	60·7	+ 23·9	63	+25
	Felixstowe	60	36	56·1	41·5	48·5	+ 2·8	48	1	2	0·07	?	52·7†	?	54†	?
	Rothamsted	74	35	62·1	39·3	50·2	+ 4·2	69	8	3	0·16	− 0·30	58·4	+ 23·6	60	+24
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	76	38	63·0	40·6	51·3	+ 4·6	71	4	2	0·30	− 0·05	*	*	*	*
	Loughborough	75	37	64·7	40·7	52·1	+ 5·0	76	4	3	0·06	− 0·31	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle ₰	70	37	59·5	41·4	50·0	+ 5·1	59	2	2	0·14	− 0·30	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	73	39	61·6	42·8	51·8	+ 6·1	69	0	2	0·06	− 0·40	48·8	?	50	?
	Churchstoke ₰	74	35	62·1	40·3	50·7	+ 6·0	68	5	3	0·09	− 0·31	57·8	+ 23·7	59	+24
	Hereford (Belmont) ₰	71	35	62·8	40·7	51·2	+ 4·5	70	4	3	0·04	− 0·36	*	*	*	*
	Cirencester	71	31	61·1	38·3	49·2	+ 3·5	66	10	2	0·03	− 0·42	60·2	+ 24·2	62	+24
	Oxford	74	39	63·0	41·6	51·8	+ 4·3	70	1	3	0·06	− 0·31	51·0	+ 15·8	53	+16
5. ENGLAND, S.	London	78	38	63·3	42·4	52·4	+ 4·0	73	0	2	0·06	− 0·34	44·3†	+ 14·3†	46†	+15†
	Cranley ₰	73	35	61·1	40·8	50·5	+ 3·2	65	3	0	—	− 0·39	*	*	*	*
	Dungeness	63	36	56·3	42·4	49·0	+ 2·2	49	0	0	—	− 0·35	58·6	?	60	?
	Hastings (St. Leonards)	68	39	58·2	44·2	50·9	+ 3·3	62	0	2	0·11	− 0·30	60·6	+ 19·6	62	+19
	Southampton	74	39	61·4	41·6	51·0	+ 2·3	65	1	3	0·11	− 0·34	59·7	+ 19·9	62	+20
	Portland Bill	64	43	54·1	43·7	48·7	+ 2·1	47	0	2	0·02	?	*	*	*	*
	Shaftesbury ₰	71	36	59·8	42·4	50·7	+ 4·4	61	0	3	0·20	− 0·39	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	69	37	58·2	43·6	50·6	+ 4·5	60	0	5	0·92	+ 0·12	*	*	*	*
	Glasgow	67	41	58·0	43·3	50·3	+ 5·1	58	0	3	0·31	− 0·13	41·1	+11·1	42	+11
	Glenlee $	69	33	59·6	39·3	49·0	+ 4·3	60	8	2	0·55	− 0·04	*	*	*	*
	Douglas (Isle of Man)	64	38	56·7	43·2	49·6	+ 3·8	53	0	4	0·34	− 0·16	55·4	+13·4	56	+12
7. ENGLAND, N.W.	Newton Reigny	70	37	59·9	40·9	49·9	+ 4·4	60	3	3	0·51	?	50·1	?	51	?
	Stonyhurst	66	39	57·1	42·6	49·5	+ 3·8	53	0	3	0·64	+ 0·13	47·5	+13·7	48	+13
	Blackpool ₰	71	43	57·8	44·5	50·8	+ 4·5	62	0	2	0·02	− 0·33	50·3	+17·3	51	+16
	Manchester (Prestwich)	71	38	59·2	42·3	50·3	+ 4·6	58	0	3	0·40	− 0·01	43·7	?	44	?
	Liverpool Obsy. (Bidston)	70	42	58·4	45·7	51·8	+ 4·7	69	0	3	0·15	− 0·17	57·6	?	59	?
	Llandudno ₰	69	45	58·6	47·0	52·5	+ 4·9	74	0	3	0·22	− 0·16	55·0	+20·2	56	+20
	Holyhead	65	43	58·0	45·7	51·6	+ 4·5	67	0	3	0·26	− 0·14	*	*	*	*
8. ENGLAND, S.W.	Llandovery	72	30	64·0	38·1	50·4	+ 4·1	75	11	4	0·39	− 0·16	*	*	*	*
	Pembroke	60	44	53·9	45·1	49·3	+ 2·7	51	0	4	0·11	− 0·29	66·7	+23·8	69	+24
	Clifton	72	34	61·9	43·5	52·3	+ 5·6	72	0	3	0·15	− 0·32	*	*	*	*
	Arlington (N. Devon)	71	34	59·2	42·1	50·1	+ 4·6	57	0	2	0·10	− 0·49	*	*	*	*
	Cullompton ₰	70	36	61·8	40·3	50·5	+ 2·4	67	5	2	0·08	− 0·52	62·4	+25·8	64	+26
	Falmouth	59	42	55·5	45·0	50·0	+ 2·2	56	0	3	0·03	− 0·65	69·4	+26·8	72	+27
	Plymouth	63	40	58·5	44·5	51·2	+ 2·4	64	0	0	—	− 0·50	63·1	+22·1	65	+22
9. IRELAND, N.	Malin Head	67	41	55·3	45·7	50·3	+ 4·0	58	0	2	0·17	?	*	*	*	*
	Londonderry	73	37	61·2	42·9	51·6	+ 4·4	67	0	3	0·39	− 0·08	*	*	*	*
	Edenfel (Omagh)	70	37	59·7	41·6	50·2	+ 5·2	59	1	2	0·33	− 0·12	*	*	*	*
	Blacksod Point	65	38	55·9	43·9	49·6	+ 1·8	53	0	3	0·56	?	*	*	*	*
	Markree Castle	68	39	59·3	42·9	50·7	+ 4·6	61	0	2	0·40	− 0·08	54·8	+20·3	55	+19
	Armagh	67	38	60·4	42.5	51·0	+ 5·3	63	0	3	0·34	− 0·16	55·5	+22·5	56	+22
	Donaghadee	65	41	57·6	43·9	50·4	+ 4·6	59	0	4	0·22	− 0·18	*	*	*	*
10. IRELAND, S.	Dublin	71	42	60·9	46·4	53·3	+ 5·7	79	0	3	0·15	− 0·30	64·0	+25·3	65	+25
	Parsonstown	69	41	61·4	43·3	51·9	+ 5·2	69	0	3	0·15	− 0·32	59·1	+23·1	60	+22
	Kilkenny	65	38	59·9	42·6	50·8	+ 3·5	62	0	2	0·22	− 0·28	*	*	*	*
	Roche's Point	58	44	55.3	47·0	51·0	+ 2·7	63	0	0	—	− 0·72	*	*	*	*
	Valencia	65	43	57·0	45·9	51·2	+ 2·4	64	0	4	0·08	− 0·80	55·4	+15·5	57	+15
	Killarney	66	40	59·9	42·5	50·8	+ 3·1	62	0	2	0·13	?	*	*	*	*
	Foynes	67	39	58·6	42·3	50·1	+ 2·7	57	0	2	0·17	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	45	54·6	47·6	50·9	+ 2·2	62	0	2	0·05	− 0·43	62·6	?	65	?
	Jersey	69	45	60·1	46·3	52·9	+ 3·3	76	0	1	0·01	− 0·41	67·3	+21·8	70	+22

Stations marked ₰ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorologica Society.

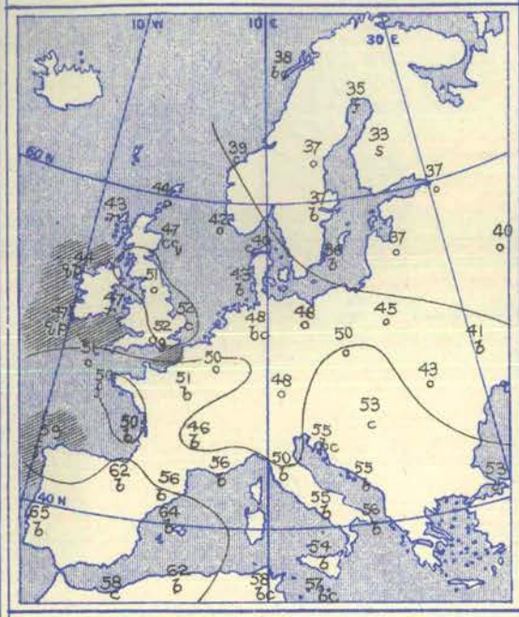
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

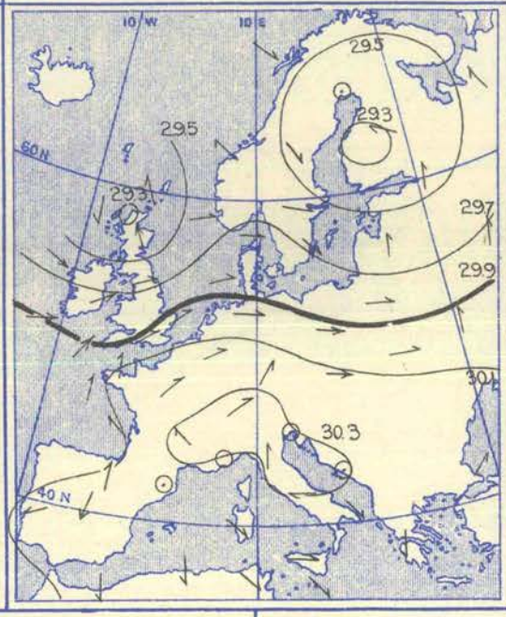
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 15th April.

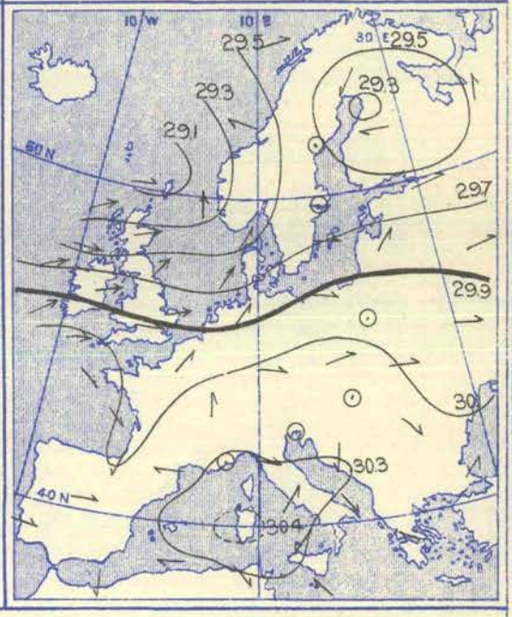
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull in our Islands, with rain or passing showers at most of our western and northern stations. Fine in France, Spain, and Italy, and also in the south of Sweden; cloudy in other parts of the Continent, with rain in Finland as well as at Neufahrwasser and snow at Kuopio. Some improvement taking place later in the west and north of our Islands, but showers falling in the east and south-east of England, as well as in neighbouring parts of the Continent; slight thunderstorm at Kew in afternoon.

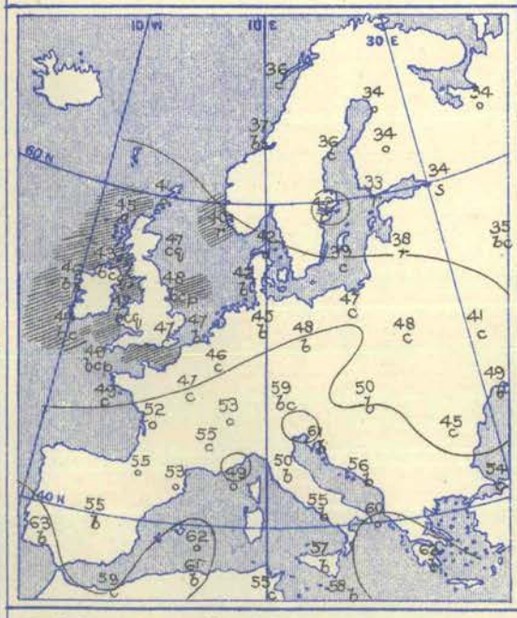
Temperature changed very irregularly, morning readings highest, 65° at Lisbon, 64° at Barcelona and San Fernando, and 62° at Biarritz and Algiers; above 55° at most of the Mediterranean and Spanish coast stations. Lowest, 33° at Kuopio, Hangö, and Helsingfors, and 36° at Uleaborg, Wisby and Karlstad; lowest in our Islands, 43° at Stornoway. Rising during day to 55° or slightly above it in many parts of Great Britain; exceeding 70° over the Spanish Peninsula and central France, and reaching 76° at Paris, 79° at Palma, and 83° at Madrid.

Wind Southerly or South-Westerly over the greater part of our Islands and the North Sea, but Westerly at some of the Irish stations; strong in force on many parts of our western coasts, with a gale at Pembroke. Westerly or North-Westerly in Scandinavia, Denmark and Germany; light from the Southward over the greater part of Russia. South-Easterly over the greater part of France, but calm in the extreme south; North-Easterly in Spain; variable in Italy. Subsequently shifting to the Westward in many parts of our Islands, and to the North-Westward in the west of France; no important change occurring elsewhere.

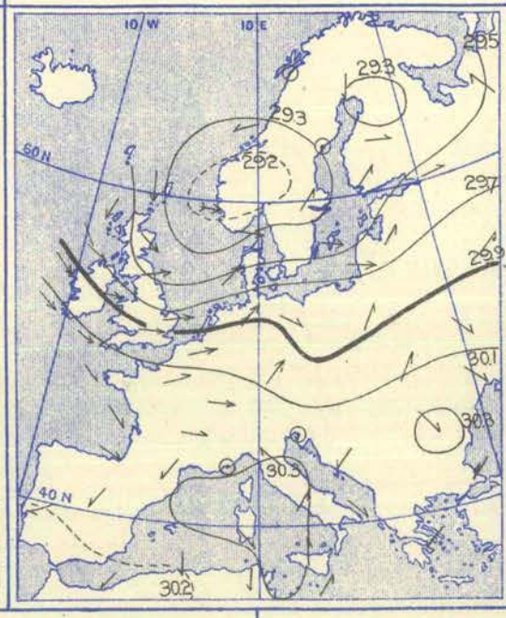
Barometer highest, 30·3 ins. and upwards over Switzerland, northern Italy and the south-east of France; 30·1 ins. and upwards in an anticyclone covering the greater part of central and southern Europe. Lowest, 29·3 ins. and less in two depressions, one lying over the north of Scotland, and the other over central Finland. Scotch depression subsequently moving north-eastwards, and Finnish disturbance northwards; barometer rising in the west of our Islands generally.

Monday, 16th April.

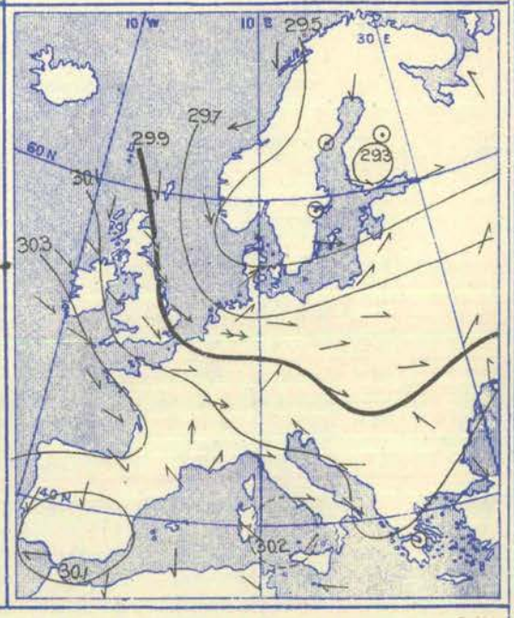
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning squally and showery over the United Kingdom generally. Fine in Denmark, the Netherlands and north Germany, as well as in Spain, Italy, and Austria; cloudy or dull in other parts of the Continent, with rain at several of the Baltic and southern Scandinavian stations, and snow at St. Petersburg. Rain or passing showers falling during day in most parts of north-western, northern and central Europe; brief but sharp thunderstorms occurring in the east and south-east of England.

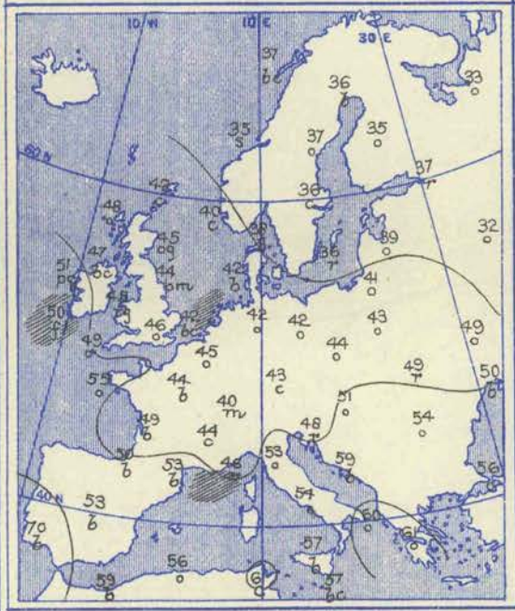
Temperature fallen in most countries, but risen in Russia and Austria. Morning readings highest, 63° at Lisbon, 62° at Palma and Patras, and 61° Trieste and Algiers; above 55° at most of the Mediterranean, Adriatic and Spanish coast stations. Lowest, 33° at Hangö and Helsingfors, and 34° at Archangel, Kuopio and St. Petersburg. Rising during day to 55° and upwards in several parts of the United Kingdom and France, to 59° at Loughborough, and to 60° at Paris; exceeding 65° over southern Europe generally, and reaching 77° at San Fernando and 85° at Madrid.

Wind fresh to strong from the North-Westward over Ireland and Scotland, and moderate from the same quarter in the west of France; strong to a gale from the Westward over England moderate to fresh from the South-Westward over Denmark, Germany, the Netherlands, and the south of Scandinavia; variable over Russia and the northern parts of Scandinavia. Variable over Austria, Italy, and the south of France; North-Easterly over the Spanish Peninsula. Subsequently moving to the North-Westward over England and moderating in force over our Islands generally.

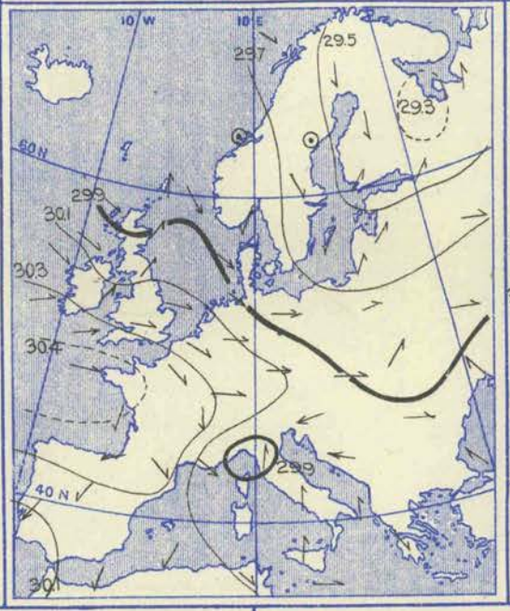
Barometer highest, 30·3 ins. and upwards over eastern Austria and also over central Italy and the western parts of the Mediterranean; 30·2 ins. and upwards in an anticyclone covering southern Europe generally. Lowest, 29·2 ins. and less in a depression over the south of Scandinavia, 29·3 ins. and less in another disturbance over Finland, 29·4 ins. and less in a small secondary system off the north-east of England. Depressions all moving south-eastwards later; new anticyclone spreading over the Bay of Biscay from the Atlantic.

Tuesday, 17th April.

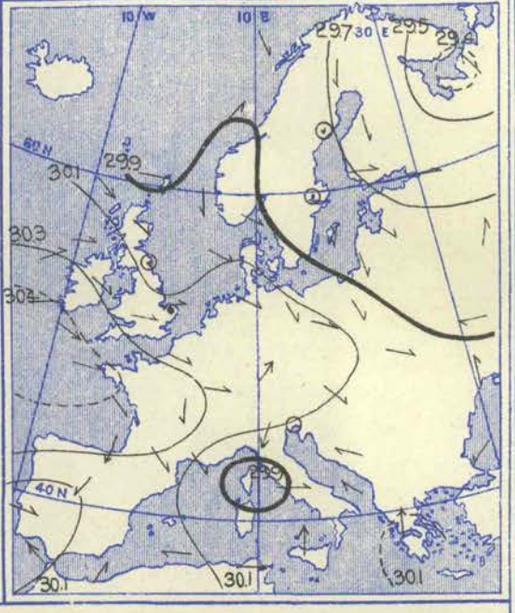
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still rather unsettled over the northern and north-western countries, and very unsettled over the south-east of France, the north of Italy and the Adriatic, with rain in several places; fine over Spain, fair as a whole over central Europe and France. Showers later over the British Islands generally and some parts of Germany, and large quantities of rain at some of the Italian stations.

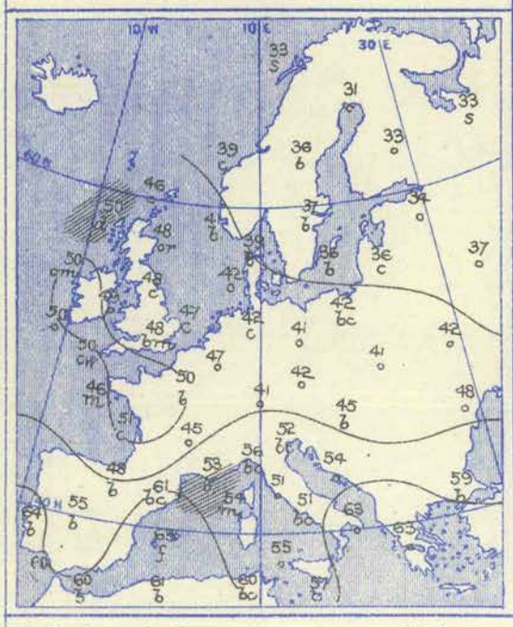
Temperature fallen over central Europe and England. Morning readings highest, 70° at Lisbon, 61° at Tunis, 59° at Lesina, 57° at Malta and Leghorn and Bilbao, 50° at Valencia (Ireland), 49° at Scilly, and above 40° all over the British Islands, the North Sea and Germany. Lowest, 30° to 37° over Finland and Russia, 36° to 37° at the Scandinavian stations. Rising later to 62° at Leith and Parsonstown, to between 58° and 53° in many parts of our Islands, and to 59° at Paris, exceeding 70° over Spain and southern Italy and reaching 86° at Lisbon.

Wind (1) light and anticyclonic (North-West to North-East) over the Bay of Biscay and the west of France; (2) cyclonic (North-Westerly and Northerly) over the northern countries, Westerly in Germany, South-Westerly over the Baltic Provinces; cyclonic round a small depression over the north-eastern parts of the Mediterranean, and low pressures over Herzegovina. Becoming more moderate later in the north-western countries and veering over Ireland, England, and France.

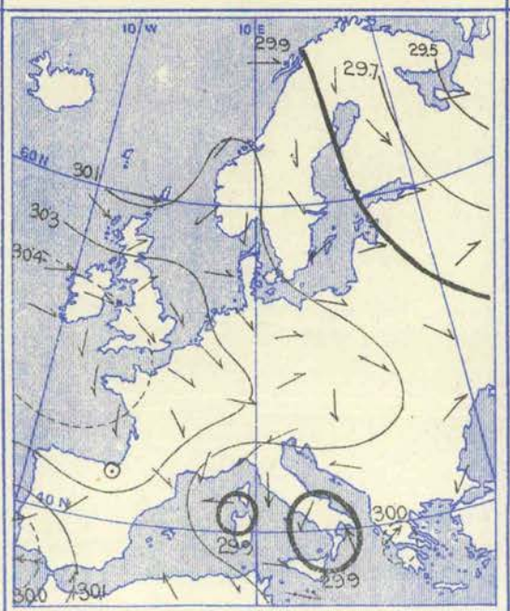
Barometer highest, 30·4 ins. and more over Brittany, and exceeding 30·2 ins. all over France and the southern and south-western parts of our Islands. Lowest, (1) about 29·3 ins. in a shallow depression over the north of Russia, and 29·9 ins. and less over the north of Scotland; (2) 29·9 ins. and less in a depression over the south-east of France and the north-east of the Mediterranean. Rising later in the west and north-west, and distribution becoming more simple.

Wednesday, 18th April.

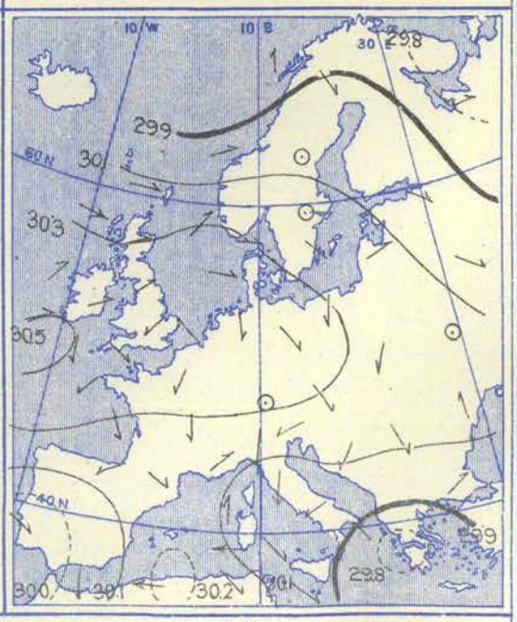
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of England as well as over Scandinavia, and nearly the whole of southern Europe. Cloudy or dull elsewhere, with rain in the north of Scotland and snow at Bodö and Archangel. A little rain falling later in the west of Norway and also at some of the German stations; sky clearing in Ireland.

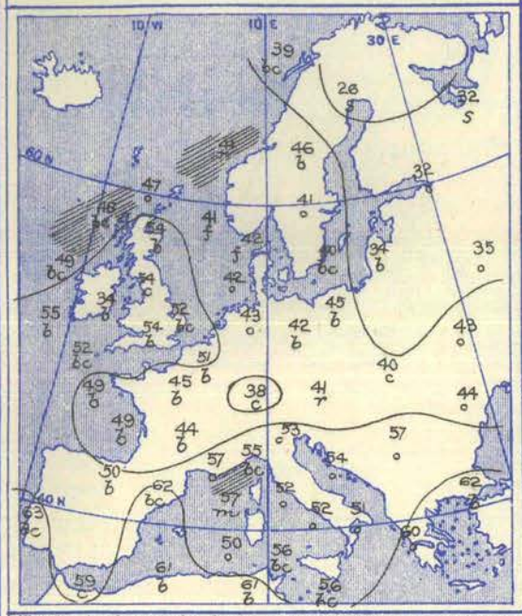
Temperature risen over western Europe generally, but fallen elsewhere. Morning readings highest, 68° at Oporto, 64° at Lisbon, and 63° at Palma, Brindisi and Patras; above 55° at the Mediterranean and Spanish coast stations generally. Lowest, 31° at Ulcaborg and 33° at Bodö, Haparanda, Archangel, Kuoplo and Hango; lowest in our Islands 44° at Spurn Head. Rising during day to 60° and upward in many parts of Great Britain and France to 64° at Loughborough, Oxford, Brest and Nice, and to 69° at Perpignan; exceeding 70° over the southern parts of Spain and Italy, and reaching 82° at Lisbon.

Wind light to moderate from the West or South-West in all the more northern parts of our Islands; light from the North-Westward over the south of our Islands, the Netherlands and the greater part of France. Northerly in Sweden, North-Westerly in Finland and Denmark, Westerly over Germany and Russia, Easterly or North-Easterly over the Spanish Peninsula and northern Italy, with a gale at San Fernando; Westerly at Palermo and Malta; South-Westerly in Greece. No important change occurring over western Europe during day.

Barometer highest, 30·4 ins. and upwards over all the more south-western parts of the United Kingdom, and also over the north-west of France, 30·1 ins. and upwards in an anticyclone embracing the whole of western and central Europe. Lowest, 29·5 ins. and less in a depression over northern Russia; 29·9 ins. and less in two systems lying respectively over Corsica and over southern Italy; 30·0 ins. and less in a shallow disturbance off the south-west of Spain. New depression appearing later off the north-west of Norway; Mediterranean disturbances moving south-eastwards.

Thursday, 19th April.

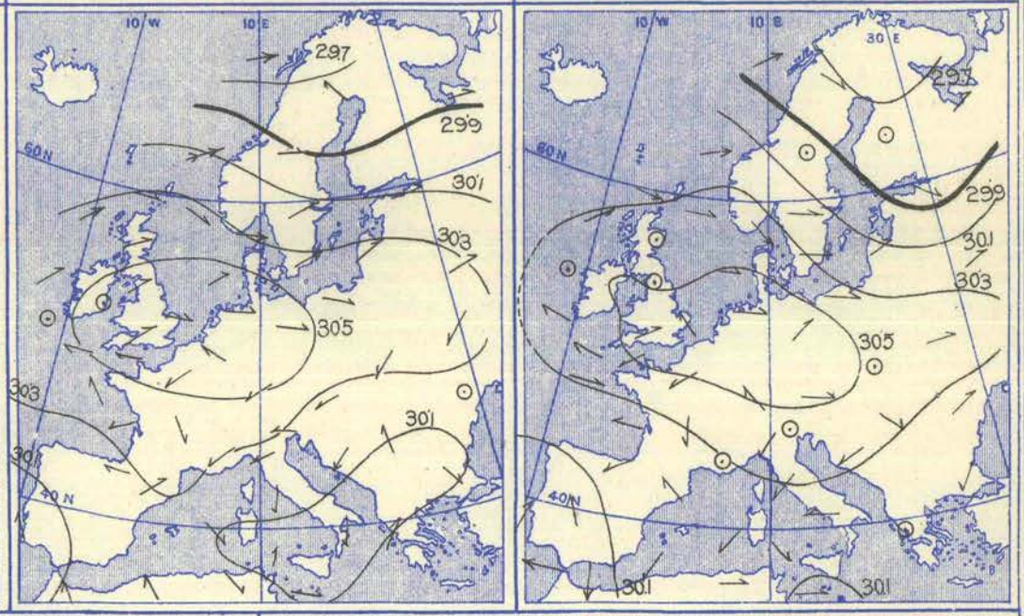
Temperature and Weather. 8 a.m.



Weather in the morning fine over western Europe generally, but with fog or haze at some of the English stations. Cloudy or dull in most of the northern, eastern, and central countries, and also over Greece and southern Italy; rain falling at Haparanda and also at Vienna, and snow at Hernösand. A little rain falling later over the northern parts of Scandinavia, and a considerable amount at Hermanstadt; but weather over western Europe remaining very fine and dry.

Temperature risen over our Islands and the northern parts of the Continent, changing irregularly elsewhere. Morning readings highest, 63° at Lisbon, 62° at Barcelona, and 61° at Algiers; above 55° at the Mediterranean and the Spanish coast stations generally, and very little below it in many parts of our Islands. Lowest, 26° at Haparanda, 31° at Helsingfors, and 32° at Uleaborg, Archangel, and St. Petersburg. Rising during day to 65° and upwards in many parts of the United Kingdom and France; to 69° at Aberdeen, Parsonstown, Loughborough, and Oxford; and to 70° at Brest and Biarritz; exceeding 70° in some parts of the Spanish Peninsula, and reaching 79° at Madrid.

Barometer and Wind. 8 a.m. and 6 p.m.

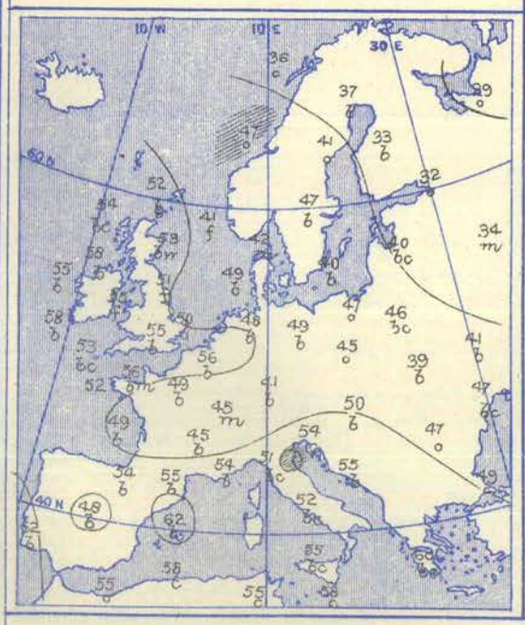


Wind light to moderate from the North-Eastward and over western Germany, central and southern France and northern Italy, and from the Eastward over the Bay of Biscay and the south-western parts of the United Kingdom, Southerly or South-Westerly in the north of our Islands; South-Westerly or Westerly over northern Europe generally, and strong in force at some of the Scandinavian stations, with a gale at Christiansund. Northerly over eastern Germany; variable in the south of Russia. No important change occurring over western Europe during day.

Barometer highest, 30·60 ins. at Brussels; 30·3 ins. and upwards in an anticyclone, covering the whole of western and central Europe. Lowest, 29·7 ins. and less in the north of Scandinavia; 30·0 ins. and less in a shallow depression off the Portuguese coast. Depression in far north subsequently moving eastwards; barometer rising in Scandinavia, but falling slightly in our Islands and France.

Friday, 20th April.

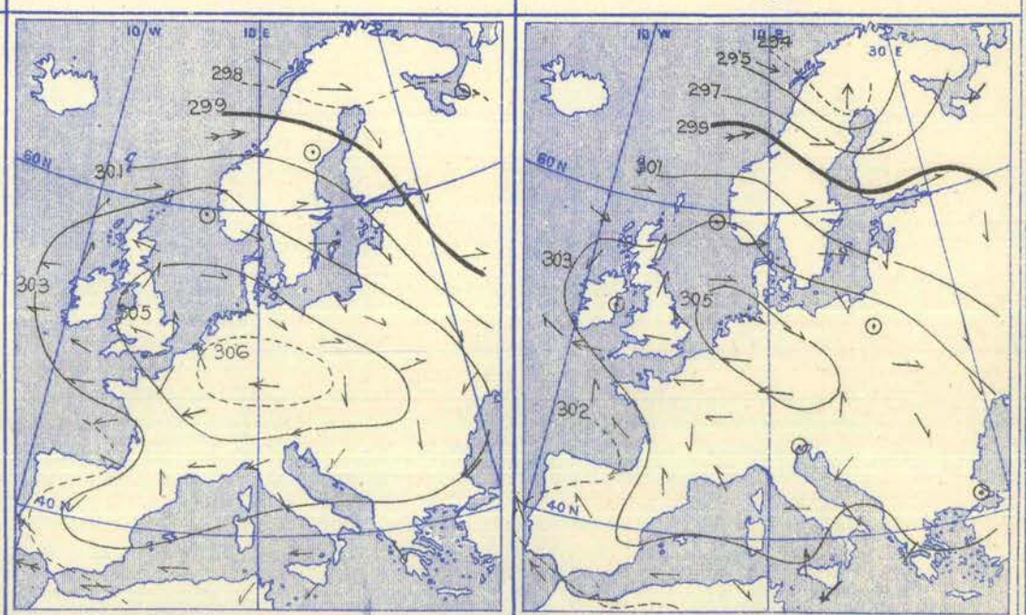
Temperature and Weather. 8 a.m.



Weather in morning fine and bright over southern Europe generally, but hazy or foggy on some parts of our own north-east and north-west coasts. Dull in Norway and also in eastern Germany and many parts of Russia. Rain falling later at Haparanda and Christiansund, but weather over western Europe remaining very fine and dry.

Temperature risen in all but the southern countries. Morning readings highest (1) 68° at Bilbao, 65° at Oporto, and 62° at Lisbon and Palma; (2) 60° at Nairn, and above 55° in many parts of the United Kingdom. Lowest 29° at Archangel, 32° at St. Petersburg, 33° at Kuopio, and 34° at Moscow; lowest in our Islands 50° at Spurn Head and Yarmouth. Rising during day to 70° and upwards in many parts of Great Britain, France and Spain; reaching 74° at Aberdeen and Loughborough, and 75° at Biarritz. Ground frost occurring over central England at night.

Barometer and Wind. 8 a.m. and 6 p.m.

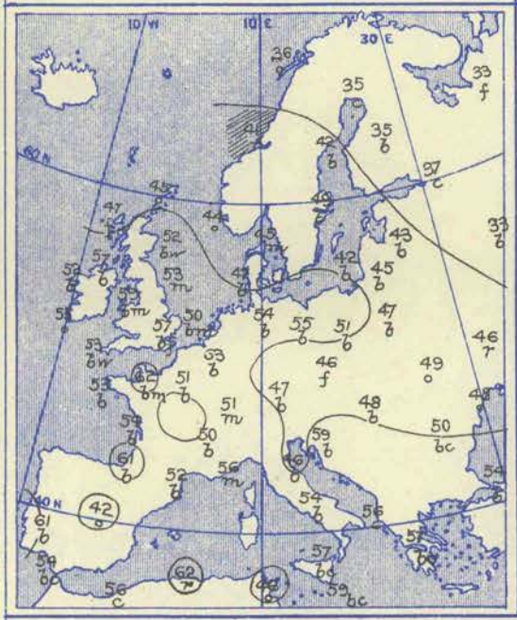


Wind light to fresh from the Eastward on our own south and south-west coasts, and also over France, south Germany, Italy, and the Spanish Peninsula. South-Westerly over the northern parts of our Islands and also in Scandinavia, with a gale at Christiansund. Westerly over Denmark, and North-Westerly over north Germany and Russia; Northerly in Austria. No important change occurring during day.

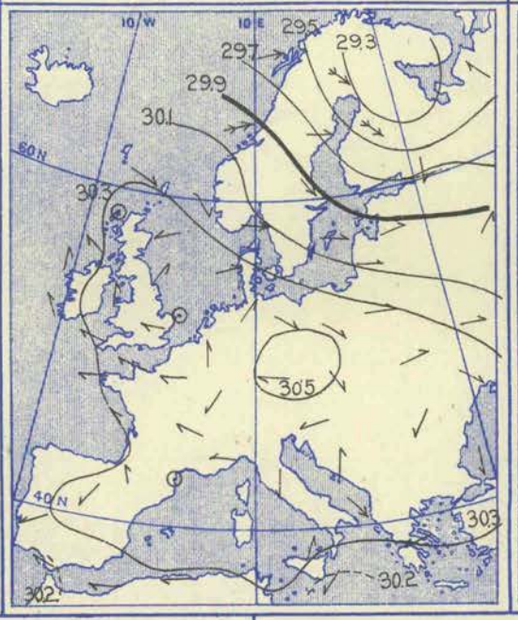
Barometer highest, 30·6 ins. and upwards in Germany, 30·3 ins. and upwards in an anticyclone embracing all but the northern and extreme southern parts of Europe. Lowest, 29·8 ins. and less in the north of Scandinavia. Rather deep depression appearing later in the other region; barometer falling briskly in the north of Scandinavia, and slightly in most other parts of Europe.

Saturday, 21st April.

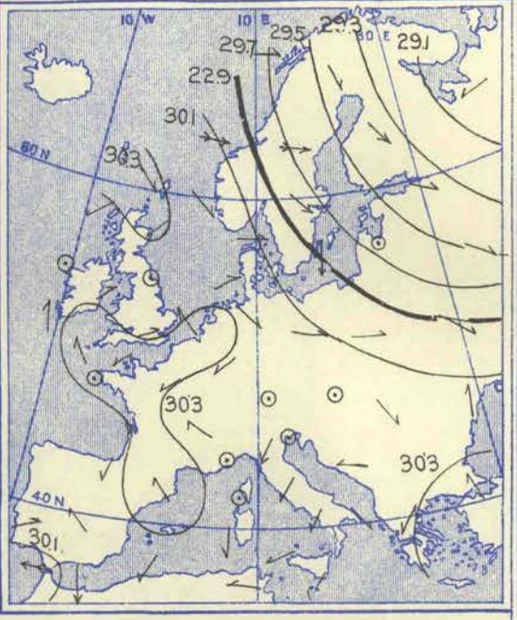
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over our Islands and the Continent generally but with haze or fog in many parts of Great Britain. Dull on the south coast of Ireland and also in the Shetlands and the west of Norway, with rain at Christiansund. Slight rain falling later at several of our own western and northern stations; no important change occurring elsewhere.

Temperature fallen in Ireland and Scotland but risen in most other countries. Morning readings highest, (1) 62° at Algiers, 61° at Biarritz and Lisbon, and 60° at Oran; (2) 62° at Jersey and 60° at Leith. Lowest, 33° at Archangel, Moscow and Helsingfors, 34° at Uleaborg and 35° at Haparanda and Kuopio; lowest in our Islands 45° at Sumburgh Head. Rising during day to 70° and upwards in many parts of England and the Continent, and reaching 76° at Paris, 77° at Brussels, and 78° in London.

Wind light from the Eastward or South-Eastward over England Ireland, and France, but variable in Scotland. Westerly or North-Westerly over northern and eastern Europe generally, with a gale at Christiansund, Haparanda, and Kuopio; variable in Germany and Austria, Northerly in Italy, Easterly (South-Easterly to North-Easterly) over the Spanish Peninsula, subsequently becoming rather variable over England; no important change occurring elsewhere.

Barometer highest 30·5 ins. and upwards over central and southern Germany and over eastern Austria; 30·3 ins. and upwards in an anticyclone covering nearly the whole of western, central, and southern Europe. Lowest 29·3 ins. and less in a well-marked depression over Lapland; gradients rather steep over Finland and the north of Sweden. Western portion of anticyclone giving way later, and distribution of pressure over our islands becoming somewhat irregular.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: = a heavy gale = a gale; = a fresh to strong breeze; = a light to moderate breeze; and = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During this period a gradual but very decided change occurred in the weather, not only in these Islands but over a considerable portion of the Continent. At the commencement of the week, when barometrical pressure was highest over southern Europe, the conditions in the north-west and north were influenced by two depressions, the centres of which lay respectively over the north of Scotland and over Finland. The depressions afterwards moved eastwards, but in the rear of the former system some small secondary disturbances were developed, and as these passed across the United Kingdom the wind blew very strongly from the West or North-West, with squally, showery weather, and with sharp thunderstorms on the 16th over the east and south-east of England.

After the 17th an anticyclone spread from the Atlantic, firstly over the Bay of Biscay and our own south-west coasts, and eventually over the whole of western and central Europe. The wind in our Islands now fell light and shifted to the South-West in the north, but to the East in the south, while the weather improved very materially and temperature rose steadily. On the 17th the maximum readings over our Islands were mostly below 60°, but on the 19th they were in many cases little below 70°, and on the 20th above 70°, while on the 21st the thermometer rose to 75° at Loughborough and 78° in London.

At the close of the week the anticyclone appeared to be gradually breaking up, and Easterly winds, with dull, cool weather, were setting in over the northern parts of Great Britain.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 92.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	34·2	?	34	?	BRIGHTON	54·4	+13·2	56	+13
STRATHPEFFER SPA	25·4	+ 1·0	35	0	WORTHING	55·8	?	58	?
EDINBURGH	45·1	+16·6	46	+17	BOGNOR	61·5*	?	63*	?
MORPETH	54·8	?	55	?	WATERGATE (Emsworth)	59·7	?	62	?
NEWCASTLE-ON-TYNE	44·4	?	45	?	WESTBOURNE (Emsworth)	59·1*	+16·5	61*	+16
OSWALDKIRK (Yorkshire)	49·7	+17·4	50	+17	VENTNOR HOSPITAL	60·2	?	62	?
YORK					SOUTHPORT	56·0	?	57	?
LOWESTOFT	53·7	?	55	?	RHYL	64·7*	?	66*	
HOLLESLEY BAY	58·4	?	60	?	COLWYN BAY	51·8	?	53	?
SHEFFIELD	59·1	?	60	?	ABERDOVEY	63·7*	?	65*	?
WORKSOP	57·0	+27·0	58	+27	TENBY				
THURCASTON (Leicestershire)	59·3	+28·3	61	+29	NEWQUAY	64·0	+22·3	66	+23
MARGATE	53·5	+17·7	55	+18	TORQUAY	65·9	+23·7	68	+24
EASTBOURNE	72·7	+32·2	75	+33	GUERNSEY	64·9*	+19·3	68*	+20

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 17.] *Third Series.* WEEK ENDING SATURDAY, APRIL 28TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

DISTRICTS. (See p. 98)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	60	28	49·7	38·5	43·9	1 below	28	- 1	10	- 5	155	-34	618	+ 33
1. SCOTLAND, EAST	58	27	51·5	37·8	44·3	1 below	34	- 2	12	- 3	202	-47	674	+ 55
2. ENGLAND, N.E.	60	26	50·4	38·3	44·1	1 below	30	- 3	10	0	200	-42	510	- 20
3. ENGLAND, EAST	73	25	54·8	37·9	46·0	1 below	45	- 2	11	0	277	-38	520	- 75
4. MIDLAND COUNTIES	73	24	57·3	38·1	47·3	0 (average)	53	+ 5	11	- 1	287	-55	551	- 46
5. ENGLAND, SOUTH	76	31	57·2	40·7	48·6	0 (average)	52	+ 1	4	- 1	353	- 4	384	- 86
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	64	24	54·6	39·5	46·7	0 (average)	43	+ 4	7	- 2	230	-37	499	+ 56
7. ENGLAND, N.W.	63	26	53·3	39·7	46·1	1 below	38	- 3	6	- 1	227	-44	444	+ 1
8. ENGLAND, S.W.	71	29	57·8	40·7	48·8	1 above	53	+ 6	4	- 1	368	-11	329	- 25
9. IRELAND, NORTH	66	29	53·8	42·3	47·8	1 above	41	- 2	0	- 7	267	-69	415	+ 33
10. IRELAND, SOUTH	66	32	56·6	44·7	50·4	2 above	59	+11	0	- 5	384	-57	373	+ 82
—CHANNEL ISLANDS	69	40	56·3	45·5	50·6	1 above	60	+ 8	0	0	548	+79	97	- 51

Rainfall. Bright Sunshine.

DISTRICTS. (See p. 98.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
		10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	5	9	3 more	86	+ 6	16·1	- 0·2	17	-14	16	-15	311	+26	25	+ 2
1. SCOTLAND, EAST	5	3	1 less	71	+ 8	10·5	+ 1·2	23	-11	22	-12	330	- 4	27	0
2. ENGLAND, N.E.	1	1	3 less	66	+ 5	9·1	+ 1·9	31	0	30	0	320	-15	25	- 1
3. ENGLAND, EAST	1	1	3 less	66	+ 6	8·8	+ 1·9	53	+13	53	+12	411	+10	31	+ 1
4. MIDLAND COUNTIES	2	1	3 less	62	+ 5	9·8	+ 2·0	37	+ 4	36	+ 4	338	+12	28	+ 1
5. ENGLAND, SOUTH	1	1	4 less	61	+ 5	10·4	+ 2·0	49	+ 7	49	+ 7	397	- 5	30	- 1
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	3	4	2 less	73	+ 5	15·7	- 1·3	37	- 1	37	- 2	360	+22	29	+ 2
7. ENGLAND, N.W.	4	2	1 less	67	+ 5	11·3	+ 1·8	44	+ 9	44	+ 8	377	+39	30	+ 3
8. ENGLAND, S.W.	0	less than ½	5 less	69	+ 6	15·2	+ 2·7	52	+ 8	52	+ 8	424	- 5	33	- 1
9. IRELAND, NORTH	3	3	2 less	79	+ 7	10·8	+ 0·5	22	-13	22	-13	364	+33	29	+ 3
10. IRELAND, SOUTH	1	1	5 less	70	+ 4	12·2	- 0·3	24	-16	24	-16	385	- 9	31	0
— CHANNEL ISLANDS	1	less than ½	4 less	79	+10	13·8	+ 3·3	58	+19	58	+18	445	-14	36	- 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was fair and dry over the greater part of the Kingdom, the only rain experienced occurring about the beginning or middle of the period. In the extreme north of Scotland and Ireland and in the north-west of England, the conditions were less settled than in the south-west and south.

Temperature, after being high generally, fell greatly, so that the weekly mean did not differ very materially from the average for the time of year. The highest of the maxima were recorded on the 22nd over Ireland and England, and on the following day in Scotland. They ranged from 76° in England S. and 73° in England E., and the Midland Counties to 60° in England N.E., and 58° in Scotland E. The absolute minima, which were registered on the night of the 25th to 26th, were very low for the season. In Scotland W. and the Midland Counties the sheltered thermometer fell to 24°, in England E. to 25°, and in England N.E. and N.W. to 26°, while elsewhere the minima ranged from 27° in Scotland E. to 32° in Ireland S., and to 40° in the Channel Islands. The lowest readings reported from thermometers exposed on the grass were 17° at Worksop and 19° at Loughborough.

Rainfall was much less than the mean generally, but was rather more in Scotland N.

Bright Sunshine was deficient in Ireland and Scotland, but exceeded the mean in nearly all the English districts. The percentage of the possible duration ranged from 58 in the Channel Islands, 53 in England E., and 52 in the Channel Islands to between 24 and 22 in Ireland, and between 37 and 16 in Scotland.

Barometer and Wind.—The distribution of pressure over our Islands was mainly anticyclonic; the barometer was at first highest in the north and north-west, but after the middle of the week the anticyclone moved more to the southward and depressions appeared off the north of Scotland, or moved south-eastwards over that country to the North Sea. North and North-Easterly winds prevailed generally during the earlier days of the week, but later on they gave place to fresh Westerly and North-Westerly winds over the northern parts of the Kingdom.

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II.—DATA from which the SUMMARY on page 97 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	49	31	45·7	35·9	40·6	− 2·2	10	23	5	0·44	+ 0·04	*	*	*	*
	Stornoway	54	35	50·9	40·3	45·4	+ 1·0	31	5	5	0·68	+ 0·16	16·2	−22·4	15	−23
	Wick	52	35	49·6	40·9	45·0	+ 0·6	26	3	6	0·53	+ 0·13	*	*	*	*
	Lairg $	57	28	50·4	36·5	43·1	− 1.3	31	15	5	0·86	+ 0·36	*	*	*	*
	Glencarron $	53	31	48·8	37·6	42·9	− 1·7	25	12	7	2·41	+ 1·51	*	*	*	*
	Fort Augustus $	60	29	52·9	38·5	45·4	− 1·2	39	10	5	0·28	− 0·22	21·3	− 6·1	20	− 8
	Fort William $	55	32	51·4	39·6	45·2	− 1·6	32	7	3	0·73	− 0·07	25·0	−10·3	24	−11
1. SCOTLAND E.	Nairn	58	30	52·4	38·7	45·2	− 0·6	36	9	5	0·50	+ 0·20	*	*	*	*
	Aberdeen	58	32	50·3	37·9	43·8	− 1·0	30	11	6	0·24	− 0·18	16·5	−21·1	16	−20
	Braemar $	57	27	50·6	35·0	42·4	+ 0·1	32	20	5	0·29	− 0·24	21·0†	−12·2†	20†	−13†
	Ochtertyre $												*	*	*	*
	Leith	55	35	52·4	39·7	45·8	− 0·7	36	6	4	0·18	− 0·12	*	*	*	*
	Marchmont $	55	28	51·9	37·6	44·4	− 0·3	35	12	4	0·30	− 0·18	28·5	− 6·5	28	− 7
2. ENGLAND, N.E.	Alnwick Castle	60	29	50·9	37·6	43·9	− 0·3	32	12	2	0·16	− 0·26	*	*	*	*
	Durham	57	26	51·2	35·8	43·1	− 1·9	34	17	1	0·07	− 0·30	27·2	− 3·4	27	− 3
	Shields	56	30	48·4	37·6	42·7	− 2·1	23	12	2	0·07	− 0·28	*	*	*	*
	Scarborough ℳ	58	34	51·2	39·1	44·9	− 0·9	32	8	2	0·04	− 0·36	—	—	—	—
	Spurn Head	54	38	50·4	41·4	45·7	− 0·1	28	2	0	−	− 0·28	*	*	*	*
3. ENGLAND, E.	Hillngton ℳ	70	29	56·0	37·9	46·5	− 0·7	49	11	2	0·14	− 0·22	49·5	+ 11·0	49	+10
	Yarmouth	60	36	50·0	40·9	45·2	− 0·8	27	3	2	0·07	− 0·26	*	*	*	*
	Geldeston	71	31	54·0	37·5	45·4	− 1·4	43	13	1	0·13	− 0·17	52·7	+ 12·5	53	+12
	Cambridge	73	26	60·3	36·4	47·8	− 0·7	64	16	1	0·03	− 0·32	49·9	+ 11·1	50	+12
	Felixstowe	67	31	52·1	39·0	45·2	− 1·7	35	8	1	0·10	?	59·2†	?	59†	?
	Rothamsted	72	25	56·5	35·9	45·7	− 1·6	52	17	1	0·03	− 0·45	51·5	+ 15·5	51	+15
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	71	28	58·6	36·3	46·9	− 1·0	58	16	3	0·10	− 0·22	*	*	*	*
	Loughborough	71	24	58·1	36 3	46·7	− 1·7	57	16	3	0·07	− 0·28	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle ℳ	65	30	55·0	38·6	46·4	+ 0·3	45	10	1	0·29	− 0·12	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	68	31	55·6	41·0	48·0	+ 1·1	46	3	1	0·02	− 0·47	27·5	?	28	?
	Churchstoke ℳ															
	Hereford (Belmont) ℳ	72	26	59·0	37·7	47·8	+ 0·1	59	12	1	0·05	− 0·32	*	*	*	*
	Cirencester	69	29	56·9	36·7	46·3	− 0·4	52	15	1	0·10	− 0·30	42·3	+ 4·2	43	+ 4
	Oxford	73	29	58·1	40·4	48·8	+ 0·3	54	4	1	0·01	− 0·34	40·3	+ 3·0	40	+ 2
5. ENGLAND, S.	London	74	32	58·3	39·7	48·6	− 1·0	56	6	1	0·05	− 0·33	32·2†	− 0·7†	32†	0†
	Cranley ℳ												*	*	*	*
	Dungeness	66	33	54·6	39·9	46·9	− 0·9	43	6	1	0·05	− 0·25	50·1	?	50	?
	Hastings (St. Leonards)	68	35	55·6	40·7	47·8	− 0·8	46	4	2	0·13	− 0·22	52·4	+ 8·6	52	+ 8
	Southampton	76	32	61·1	41·2	50·7	+ 1·0	64	2	0	—	− 0·40	48·7	+ 6·8	49	+ 6
	Portland Bill	64	35	56·1	42·0	48·7	+ 0·9	47	0	0	—	?	*	*	*	*
	Shaftesbury ℳ	71	31	57·5	40·9	48·8	+ 1·3	52	3	1	0·05	− 0·55	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	32	52·3	40·5	46·1	− 1·2	35	4	4	1·08	+ 0·31	*	*	*	*
	Glasgow	62	34	54·3	42·9	47·3	+ 1·0	42	3	2	0·07	− 0·31	28·4	− 3·5	28	− 4
	Glenlee $	64	24	57·1	36·0	46·1	− 0·1	54	17	1	0·15	− 0·37	*	*	*	*
	Douglas (Isle of Man)	63	30	54·7	40·7	47·4	+ 0·6	43	4	3	0·13	− 0·29	46·3	+ 2·0	45	0
7. ENGLAND, N.W.	Newton Reigny	63	26	55·4	36·9	45·7	+ 0·9	47	14	4	0·09	?	37·4	?	37	?
	Stonyhurst	58	29	53·2	37·1	44·8	− 1·9	40	14	4	0·69	+ 0·22	52·9	+16·9	52	+16
	Blackpool ℳ	56	28	52·3	39·5	45·6	− 1·9	36	7	2	0·15	− 0·15	43·0	+ 7·5	42	+ 5
	Manchester (Prestwich)	61	29	54·3	37·1	45·3	− 1·4	44	14	4	0·19	− 0·19	43·4	?	43	?
	Liverpool Obsy. (Bidston)	57	34	52·4	42·1	47·0	− 1·3	35	0	5	0·14	− 0·16	40·7	?	40	?
	Llandudno ℳ	60	35	53·9	42·6	48·0	− 0·6	42	0	4	0·14	− 0·21	40·4	+ 3·2	40	+ 2
	Holyhead	56	36	51·4	42·3	46·6	− 1·4	32	0	3	0·17	− 0·20	*	*	*	*
8. ENGLAND, S.W.	Llandovery	68	29	60·3	36·1	47·6	+ 0·2	64	17	0	—	− 0·51	*	*	*	*
	Pembroke	58	37	53·3	42·3	47·5	0·0	39	0	2	0·11	− 0·24	47·0	+ 2·0	47	+ 2
	Clifton	64	38	57·7	43·1	50·1	+ 2·4	57	0	1	0·01	− 0·43	*	*	*	*
	Arlington (N. Devon)	61	31	55·3	39·1	46·8	− 0·1	46	8	0	—	− 0·52	*	*	*	*
	Cullompton ℳ	71	31	62·1	38·3	49·6	+ 0·7	69	10	0	—	− 0·59	50·2	+12·2	50	+11
	Falmouth	62	39	56·4	43·7	49·8	+ 1·0	55	0	0	0·01‡	− 0·67	63·2	+18·3	63	+17
	Plymouth	66	35	59.4	42·0	50·3	+ 0·5	58	0	0	—	− 0·47	55·1	+12·1	55	+11
9. IRELAND, N.	Malin Head	53	39	50·0	44·7	47·2	+ 0·1	36	0	4	0·13	?	*	*	*	*
	Londonderry	66	34	56·4	43·2	49·5	+ 1·3	53	0	3	0·23	− 0·17	*	*	*	*
	Edenfel (Omagh)	62	29	55·3	41·1	47·9	+ 1·6	45	3	2	0·10	− 0·33	*	*	*	*
	Blacksod Point	55	40	52·0	45·6	48·7	+ 0·1	47	0	4	0·30	?	*	*	*	*
	Markree Castle	61	29	54·5	39·6	46·7	− 0·2	43	7	3	0·18	− 0·29	22·0	−14·8	22	−15
	Armagh	63	30	56·7	41·0	48·5	+ 1·8	50	3	4	0·26	− 0·24	21·7	−13·3	21	−14
	Donaghadee	56	34	51·9	40·6	46·0	− 0·7	34	4	2	0·61	+ 0·23	*	*	*	*
10. IRELAND, S.	Dublin	65	40	56·9	46·3	51·4	+ 2·7	66	0	2	0·12	− 0·32	26·8	−14·2	27	−14
	Parsonstown	61	32	56·3	42·9	49·3	+ 1·6	51	0	1	0·06	− 0·39	16·0	−21·8	16	−22
	Kilkenny	63	36	56·7	43·4	49·7	+ 1·5	54	0	2	0·08	− 0·40	*	*	*	*
	Roche's Point	58	45	55.3	46·7	50·8	+ 1·5	62	0	0	—	− 0·72	*	*	*	*
	Valencia	60	37	55·4	46·0	50·5	+ 1·0	60	0	2	0·02	− 0·86	28·9	−12·9	29	−13
	Killarney												*	*	*	*
	Foynes	66	35	58·8	42·8	50·4	+ 1·9	59	0	1	0·14	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	55	43	53·1	45·9	49 3	− 0·1	51	0	1	0·01	− 0·41	38·5	?	39	?
	Jersey	69	40	59·4	45·0	51·9	+ 1·4	69	0	0	—	− 0·38	64·1	+16·2	65	+16

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

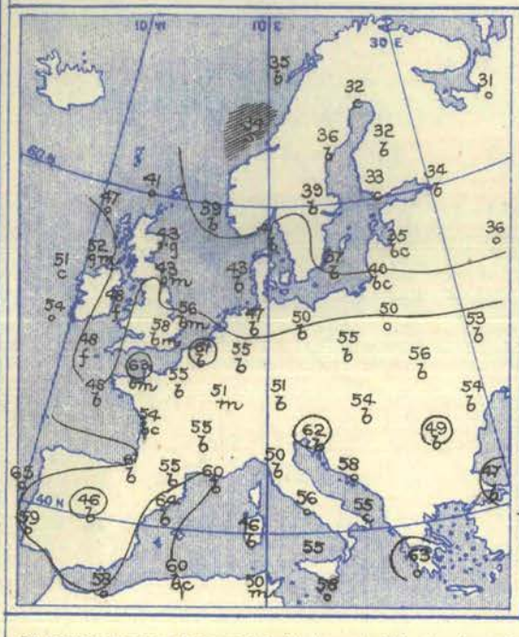
‡ Wet Fog.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 22nd April.

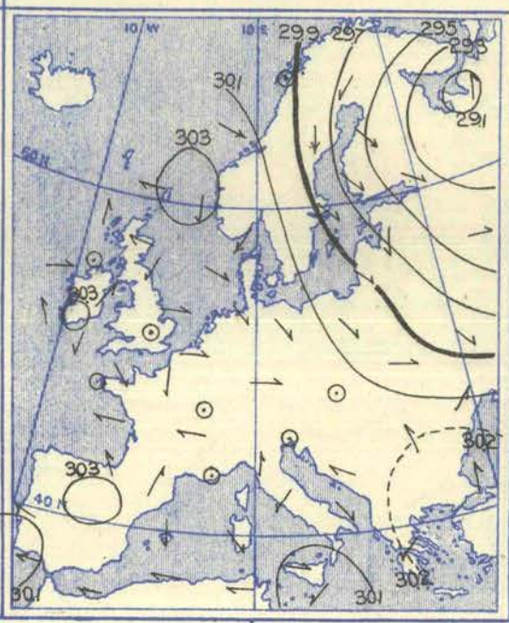
Temperature and Weather.

8 a.m.

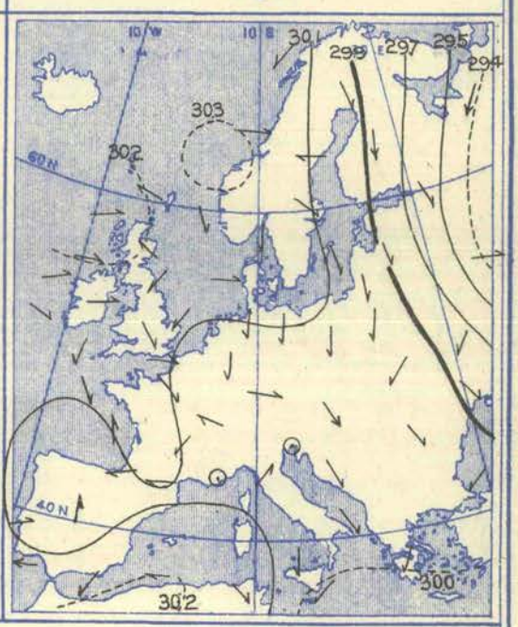


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning clear and bright at most of the Continental stations and the eastern and south-eastern stations; cloudy and unsettled over the north of Russia; dull and rather rainy in the north and west of the United Kingdom. A little rain later in the last named localities, and more at some localities in Germany and parts of Italy.

Temperature highest, 64° at Barcelona, 63° at Patras, 62° at Trieste, but below 60° over the Mediterranean and south-eastern Europe generally; 58° to 50° in the east of England, 55° to 50° over the south of Ireland. Lowest, 31° at Archangel, 32° at Haparanda, 36° at Moscow, below 40° in most parts of Sweden, and 41° at Sumburgh Head. Rising during the day to 69° at Jersey, to 74° in London, 80° at Paris, and to 77° at Barcelona, to 72° at Florence, and 64° at Cagliari.

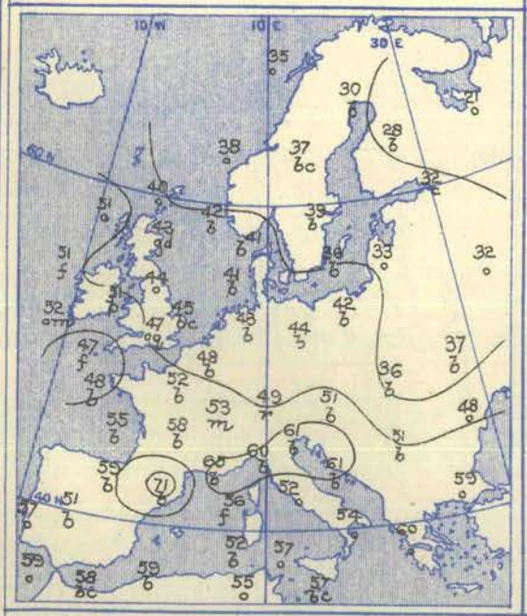
Wind (1) calm or exceedingly light and variable over western Europe and the British Islands; (2) Northerly to North-Westerly, very strong, over northern Europe and the Baltic; Westerly, light, over central Europe; Southerly over the south of Russia; (3) strong Easterly winds over Portugal and the south-west of Spain. A South-Easterly breeze over Scotland later; Westerly breezes in Ireland; Northerly and Westerly over England.

Barometer highest, 30·3 ins. and more to 30·2 ins. over the British Islands, the North Sea, and western Europe, as a whole; and exceeding 30·2 ins. over Asia Minor and European Turkey. Lowest, 29·05 ins. at Archangel, and below 29·4 ins. over all the north of Russia. Last named depression moving south-eastwards later; a new shallow system coming over Scotland from the Westward.

Monday, 23rd April.

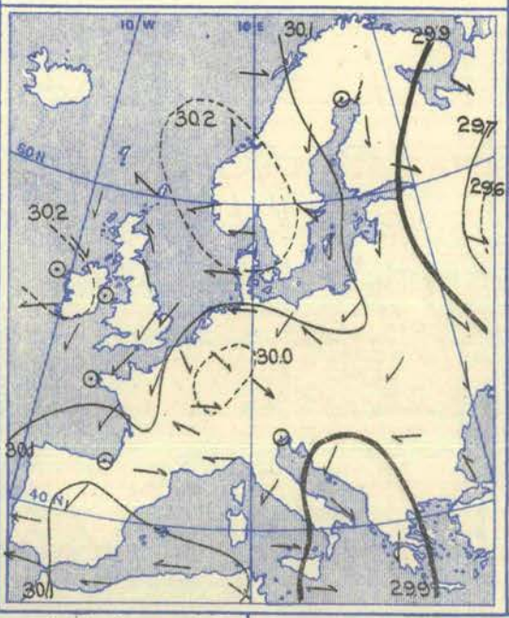
Temperature and Weather.

8 a.m.

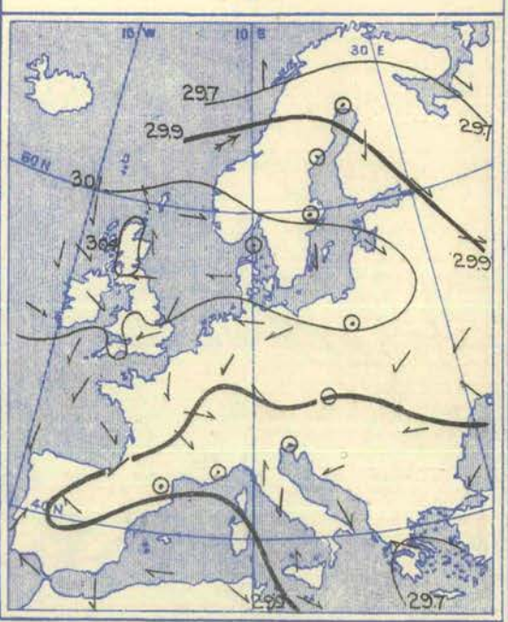


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull over our Islands, with fog on several parts of our western coasts, and slight rain at Wick, Aberdeen, and Holyhead. Fine over the Continent as a whole, but dull in the west of Norway and in many parts of Russia, as well as in Greece and the southern parts of Germany and Italy; rain falling at Munich. A little rain falling later at many places in the northern and central parts of Great Britain, but sky clearing at many of our own southern stations.

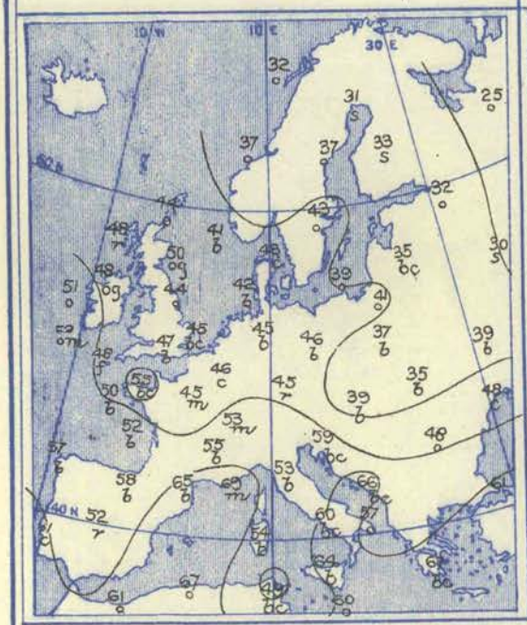
Temperature fallen in most places, but risen a little at many of our own western and northern stations and also in the west of Norway. Morning readings highest, 73° at Bilbao, 71° at Barcelona, and 65° at Nice; above 55° at most of the Mediterranean, Adriatic, and Spanish coast stations, as well as at Jersey. Lowest, 21° at Archangel, 28° at Kuopio, and 30° at Haparanda; lowest in our Islands 40° at Sumburgh Head, and 43° at Aberdeen. Rising during day to 60° and upwards at several of our own central and southern stations, and to 66° at Jersey; exceeding 70° in many parts of France, and reaching 84° at Parpignan.

Wind calm or light from North or North-West on our western coasts; South-Easterly in the east of Scotland and the north-east of England Easterly in Denmark, North-Easterly over the greater part of England, variable in France and Italy. North-Westerly in south Germany, Easterly or North-Easterly over the Spanish Peninsula. Variable over the northern parts of Scandinavia, but Northerly or North-Westerly in the south and over the greater part of Russia. No important change occurring later, but South-Westerly breezes setting in on the west coast of Norway.

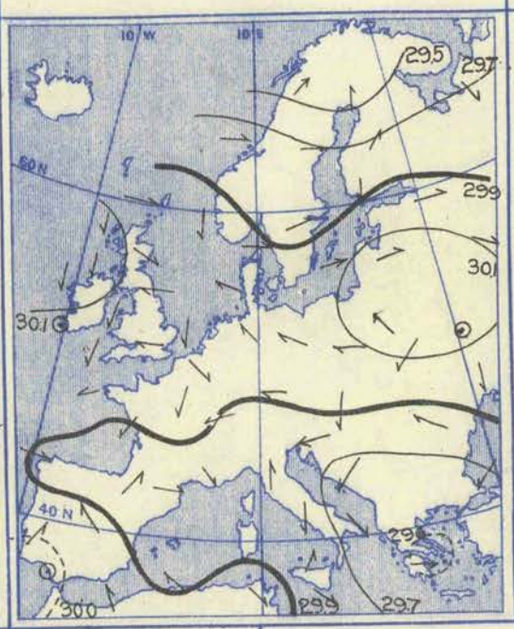
Barometer highest, 30·2 ins. and upwards over Ireland, and also over all the more southern parts of Scandinavia; 30·1 ins. and upwards over Algeria and the central and southern parts of Spain. Lowest, 29·6 ins. and less in a depression over central Russia; 29·9 ins. and less in a large shallow area over Greece, southern Italy, and the neighbouring parts of the Mediterranean. General fall of the barometer taking place over western and norther Europe during day, and high pressure system over Scandinavia entirely breaking up.

Tuesday, 24th April.

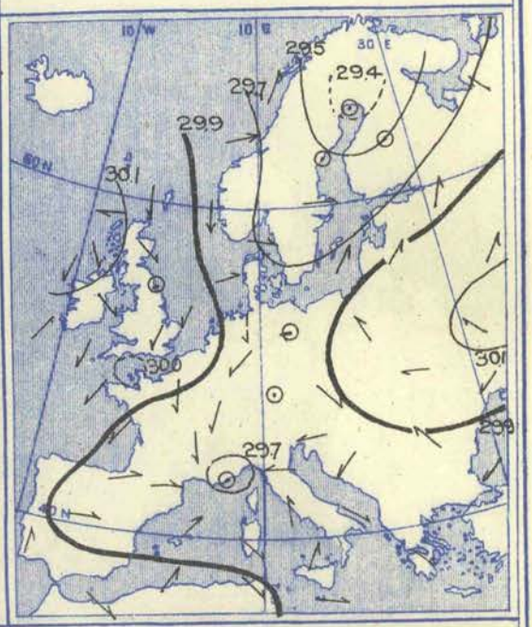
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning clear and bright over central Europe, France, and the south-east of our Islands; dull over our western and northern districts, rainy in the north of Scotland; dull and unsettled over northern Europe, with snow in several places. Rain later in several parts of Scandinavia and at Munich, a little very generally over north Britain. Auroral display at Wick in evening.

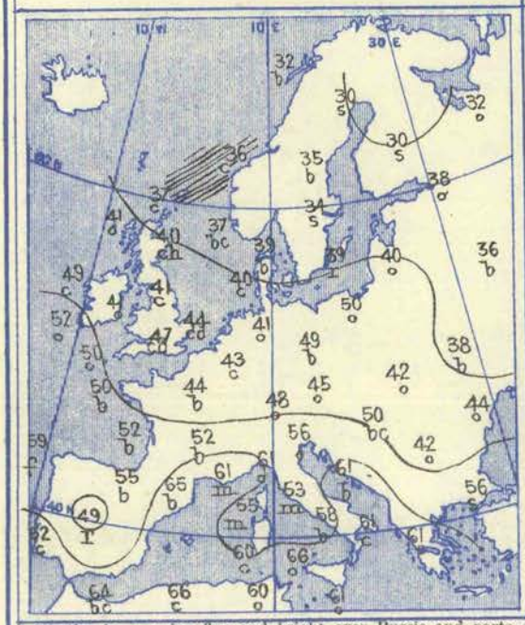
Temperature fallen over central Europe, risen in the north. Morning readings highest, 68° at Barcelona, 67° at Algiers, and above 60° on all the southern and western sides of the Mediterranean; 50° and more over the Riviera and the south and west of Ireland, 50° at Nairn and Aberdeen. Lowest, 25° at Archangel, 30° to 35° over Russia generally, 35° to 39° in many parts of eastern Germany, 37° at Christiansund, 44° at Shields. Exceeding 60° later in a few parts of our Islands, touching 72° at Paris, Rochefort, and Nice, and 88° at Perpignan.

Wind (1) light and variable over our Islands—chiefly anticyclonic North-Westerly to Northerly and Easterly; anticyclonic also over Germany and the west of Russia. (2) Westerly to South-Westerly, moderate to strong over Scandinavia and the north of Finland, also cyclonic Easterly to Northerly over the greater part of south-eastern Europe. Varying somewhat over Scandinavia later, and freshening a little from East on our south-east coasts.

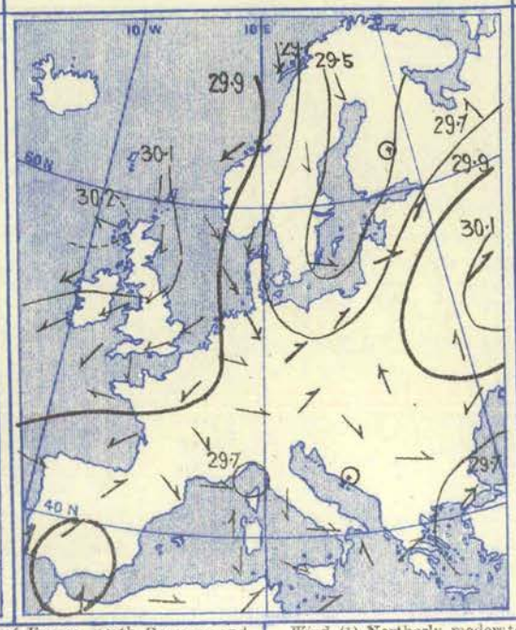
Barometer highest, (1) 30·1 ins. to 30·0 ins. over the British Isles, and also in a well-formed anticyclone over Russia and eastern Germany. Lowest, (1) 29·5 ins. and less in Lapland (towards which a depression seemed to be advancing from the north-west); (2) 29·6 ins. to 29·7 ins. in a depression over south-eastern Europe. Falling later over the Baltic and Sweden, beginning to rise in Scotland. Falling little and irregularly over England and France.

Wednesday, 25th April.

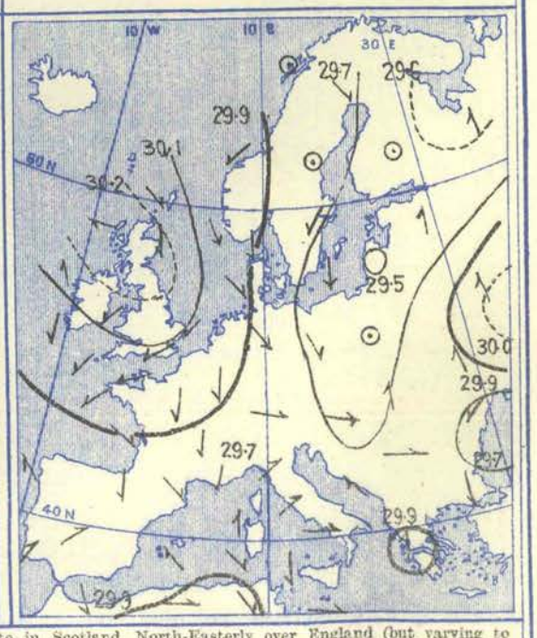
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia and parts of France, north Germany and Scandinavia, not settled over the British Islands as a whole; rain falling in many parts of England, hail (graupel) at Aberdeen. A few sporadic showers later in various parts of the Continent (0·35 in. at Munich), but condition as a whole becoming fairer and drier over the United Kingdom.

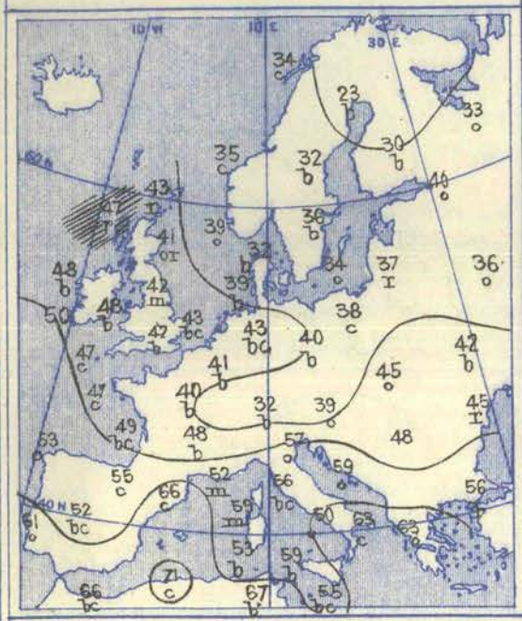
Temperature fallen fast in Scotland, risen over central Europe. Morning readings highest, (1) 66° at Algiers, 65° at Perpignan, 55° at Biarritz; (2) 54° at Jersey, 52° to 50° on our extreme south-western coasts, 48° at Dungeness. Lowest 30° at Haparanda, 32° at Archangel, 34° at Kharkov, 36° at Moscow, 37° at Skudesnaes and Sumburgh Head. Rising later to 55° at Valencia, 60° at Jersey, 68° at Paris and Rochefort, 76° at Perpignan.

Wind (1) Northerly moderate in Scotland, North-Easterly over England (but varying to South-East in very few localities), North-Easterly over France (direction mainly anticyclonic), South-Easterly to South-Westerly (anticyclonic) over Russia; (2) Cyclonic Northerly over Scandinavia, Westerly in northern Germany, Southerly to South-Easterly over Western Russia and Finland, Southerly (cyclonic) over Italy, North-Easterly to Northerly over the greater part of the Mediterranean, shifting to South-South-East at Blacksod Point later and backing somewhat at Sumburgh Head.

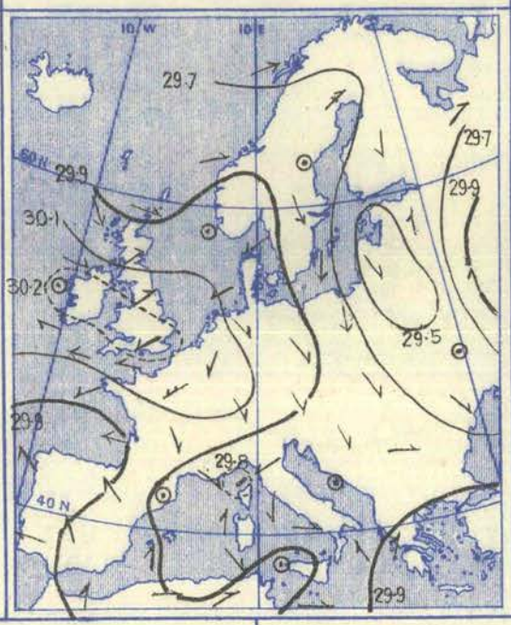
Barometer was highest, (1) 30·23 ins. at Stornoway, and exceeding 30·0 ins. over all the northern parts of the British Islands; (2) 30·10 ins. and more to 29·9 ins. over central Russia. Lowest, (1) 29·5 ins. and less in an elongated depression over Finland and the Baltic; (2) 29·7 ins. and less to 29·8 ins. over south-eastern Europe and Italy. Small shallow disturbances found over the Straits of Dover and the south-west of England, rising later over the British Islands and north-western Europe, but rise ceasing in extreme north and north-west of Scotland towards night.

Thursday, 26th April.

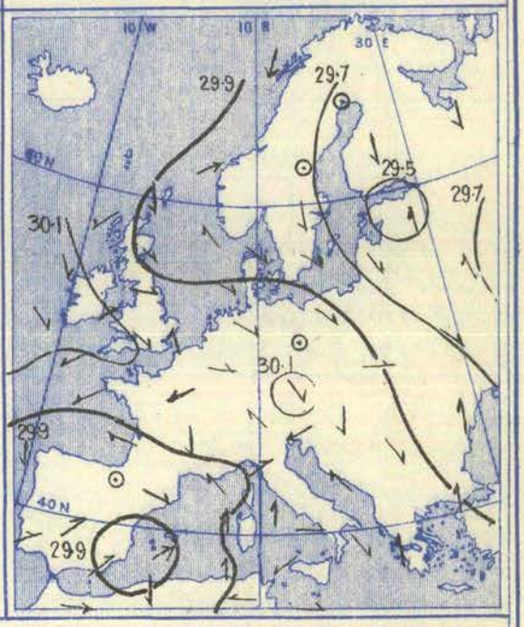
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Germany, France, Ireland and England; dull, with rain and snow over the Baltic Provinces, eastern Prussia and Poland, and becoming rough and rainy in Scotland. Considerable rain later in the north of Scotland and over the North Sea; smaller quantities over the remainder of Scotland, most of Ireland and the north of England.

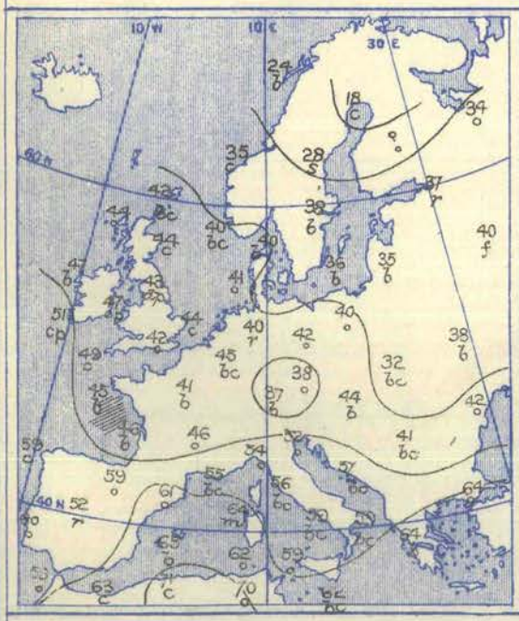
Temperature fallen over the Baltic, central Europe, France and England. Morning readings highest, 71° at Algiers, 67° at Tunis, 66° at Barcelona, 57° at Trieste, 58° at Corunna, 50° at Valencia, 48° at Holyhead, 44° at Aberdeen. Lowest, 23° at Haparanda, 33° at Archangel and Karlstad, 36° at Moscow, and below 40° in Poland and on the eastern shores of the North Sea. Touching 50° to 55° over the greater part of our Islands later, 57° at Paris, 70° at Rochefort and Perpignan.

Wind (1) light and anticyclonic over Ireland, England and the greater part of France; very variable over the Mediterranean; (2) strong from North over the Baltic; moderate North-West, over central Europe, but South-Easterly at Moscow; Southerly at St. Petersburg. Fresh and increasing from West and North-West in Scotland, the Westerly wind in the north spreading Southwards slowly all over our Islands (but not blowing hard) and subsequently veering to North.

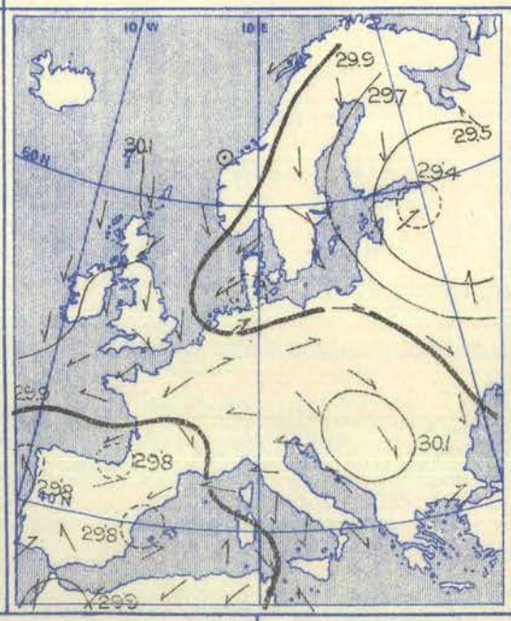
Barometer highest, (1) 30·2 ins. and more over Ireland and England, and exceeding 30·1 ins. over Belgium and the north-east of France also; (2) exceeding 29·9 ins. over central Russia. Lowest, (1) 29·5 ins. and less in a depression over western Russia and the Gulf of Riga; 29·8 ins. and less in a new small depression approaching our own northern coasts from the north-westward. Latter disturbance reaching the North Sea later, and barometer beginning to rise again in extreme north of Scotland.

Friday, 27th April.

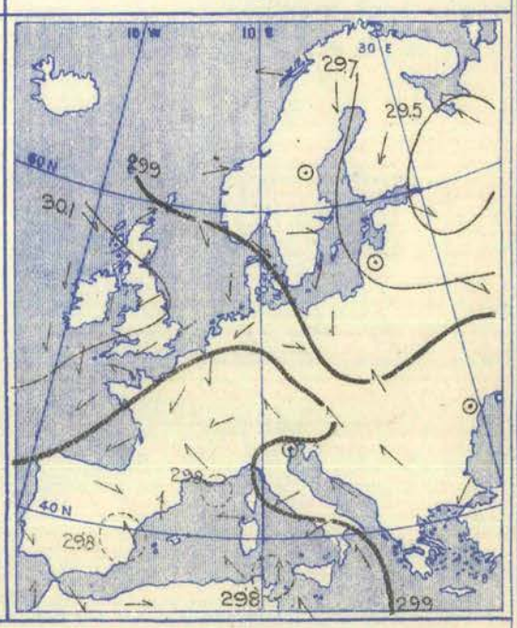
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Austria-Hungary and many parts of south-eastern Europe; cloudy and slightly showery over our Islands, but improving. Unsettled over northern Europe, with rain and snow in places; fog at Moscow; rain in Holstein; dull in the south-west of France. A little rain later over the North Sea, and (locally) at Perpignan and Gap, but weather still improving in the British Isles and France generally.

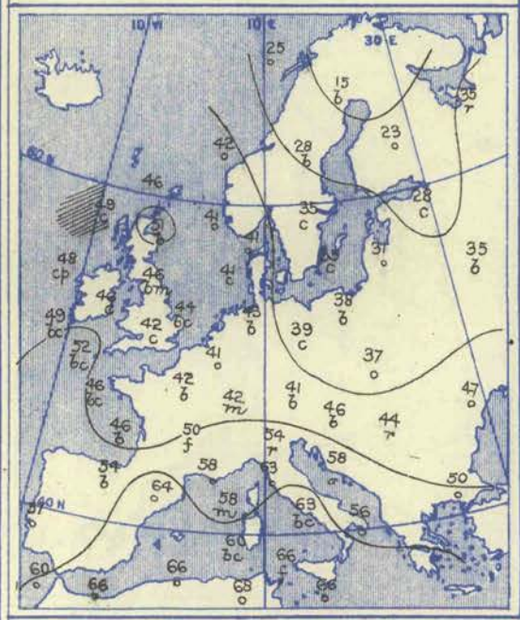
Temperature changing comparatively little and irregularly. Morning readings highest, 71° at Algiers and Tunis, 64° at Patras, 62° at Cagliari, 61° at Barcelona, 59° at Corunna 50° at Jersey, 51° at Valencia, 48° at Malin Head. Lowest, (1) 18° at Haparanda, 28° at Hernösand, 35° at Riga; (2) 34° at Warsaw, 32° at Lemberg, 36° at Prague, 37° at Munich. Rising later to between 50° and 55° over the greater part of our Islands, to 59° at Frankfurt, 62° at Paris, 66° at Rochefort and Nice, to 70° at Leghorn and Rome, 73° at Brindisi, 77° at Algiers, and 90° at Tunis.

Wind Northerly, as a whole, over the British Islands and the North Sea; North-Easterly and Easterly over France (except Westerly at Biarritz); Northerly over Sweden; North-Westerly strong, over the Baltic; Westerly in north Germany. Another anticyclonic circulation of moderate winds found over south-eastern and parts of central Europe. Backing later to South-West in the north of Scotland, and to South at Christiansund.

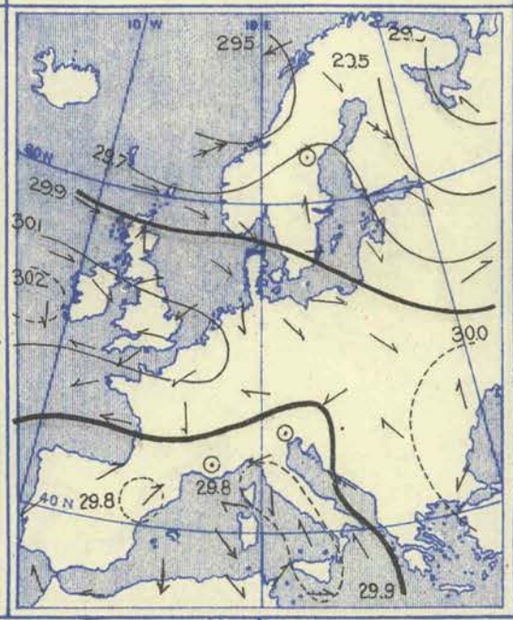
Barometer highest, (1) 30·1 ins. and more to 30·6 ins. over Austria and south-eastern Europe; (2) 30·1 ins. and more over the British Islands. Lowest, (1) 29·5 ins. and less in a large depression over the north of Russia; and (2) about 29·8 ins. or less in several minima over Spain and off the west of Portugal. Rising later over Ireland and England, but beginning to fall again in the Shetlands and north-west of Norway.

Saturday, 28th April.

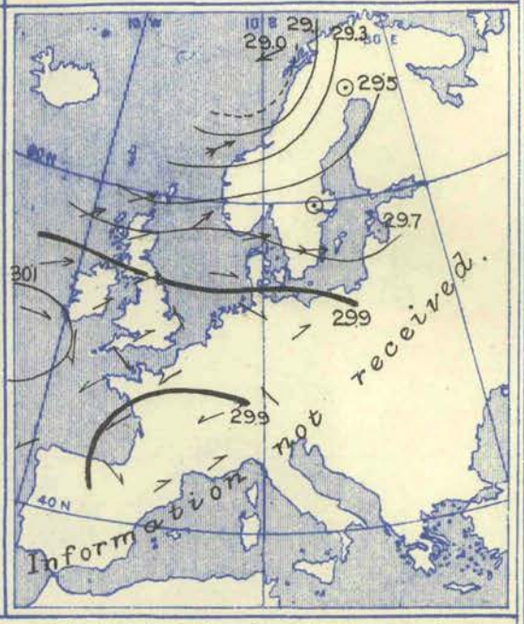
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the southern half of our Islands and the Netherlands; variable over France, Spain and the Mediterranean; changeable and unsettled over northern Europe and the northern and north-western parts of our Islands. Rain later in Lapland, the west of Norway and in Scotland, and some in many parts of Ireland, but as a whole weather continuing fair over Great Britain and the northern parts of France. Considerable rain in the Azores and the south of Portugal.

Temperature risen in France and also over south-eastern Europe. Morning readings highest, (1) 68° to 66° on the north coast of Africa, at Malta and Palermo, 63° at Naples, 64° at Barcelona; (2) 63° at Oporto, 52° at Scilly, 49° at Valencia and Stornoway, and above 40° all over our Islands. Lowest, 15° at Haparanda, 23° at Kuopio and Hangö, 35° at Moscow and Stockholm. Rising later to 58° in the east of Scotland, and to 61° at Loughborough, to 62° at Paris, to 66° at Lisbon, and to 68° at Rochefort, Nice and Perpignan.

Wind (1) light and anticyclonic over Ireland, England, the northern half of France and north-western Germany; (2) strong over northern Europe—from North-West over Finland, and from West over the southern half of Norway, but from East-North-East at Bodö; (3) moderate and variable over the Mediterranean. Increasing from West over Scotland later and blowing a moderate gale from West-South-West at Stornoway.

Barometer highest, 30·2 ins. and more over the south of Ireland, and exceeding 30·0 ins. all over Ireland, England, the north of France and north-west Germany. Lowest, (1) 29·3 ins. and less over the north of Russia and the White Sea, and below 29·5 ins. in a new depression approaching the north of Norway from the westward; (2) 29·8 ins. and less in a shallow complex depression over Italy, Sicily and Malta. Falling decidedly in Scotland later, and somewhat less over western Europe generally.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of this week pressure was high over all the countries of western Europe, where the wind was consequently light and variable; the weather though fine was not uniformly so, rain and fog alternating with blue sky in certain localities. The lowest pressure was in a depression which lay over northern Russia, and strong squally North-West winds were blowing all over the Baltic and north Germany, Westerly over south Germany and Austria-Hungary. On Monday the Russian depression had almost disappeared, but a very shallow system had appeared over western Germany, and another over the south of Italy and south-eastern Europe. Then came a change. The highest pressure of all appeared over our own north-western districts, and over Poland and western Russia, the two systems being united by a col; to the southward of this col the wind was mainly North-Easterly, to the northward it was South-Westerly and Westerly, and during the remainder of the week primary depressions succeeded one another in their journey from the Atlantic across Scandinavia to the Baltic and Russia, while their secondaries travelled across Scotland and the North Sea to north-western Germany. At first they were somewhat checked by a second high pressure area over central Russia, but after Wednesday this began to give way, and the disturbances in the north became less complex.

The weather has become colder in our Islands owing to the great prevalence of North-Westerly and Northerly winds, but while in the north and east it has been somewhat showery, the south-western and southern regions have been dry.

Some shallow depressions have appeared over the Mediterranean, but their effect has been slight, beyond producing Easterly and North-Easterly winds in France, the Bay of Biscay, and English Channel.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 98.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	8·1	?	8	?	BRIGHTON	47·4	+ 3·4	47	+ 8
STRATHPEFFER SPA	15·8	- 20·2	15	- 20	WORTHING	47·9	?	48	?
EDINBURGH	25·5	- 4·7	25	- 5	BOGNOR	51·1*	?	51*	?
MORPETH	30·0	?	29	?	WATERGATE (Emsworth)	48·5	?	49	?
NEWCASTLE-ON-TYNE	27·6	?	27	?	WESTBOURNE (Emsworth)	55·2*	+10·4	55*	+ 9
OSWALDKIRK (Yorkshire)	37·7	+ 3·6	27	+ 4	VENTNOR HOSPITAL	53·0	?	53	?
YORK					SOUTHPORT	47·2	?	46	?
LOWESTOFT	53·2	?	53	?	RHYL	40·6*	?	40*	
HOLLESLEY BAY	57·8	?	58	?	COLWYN BAY	39·8	?	39	?
SHEFFIELD	32·3	?	32	?	ABERDOVEY	57·2*	?	57*	?
WORKSOP	33·7	+ 1·6	33	+ 1	TENBY	42·5	- 4·5	43	- 5
THURCASTON (Leicestershire)	42·5	+ 9·2	42	+ 8	NEWQUAY	40·4	- 2·8	40	- 4
MARGATE	53·3	+15·5	53	+16	TORQUAY	62·9	+19·4	63	+19
EASTBOURNE	49·3	+ 6·4	49	+ 6	GUERNSEY	70·3*	+21·8	71*	+21

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 18.] *Third Series.* WEEK ENDING SATURDAY, MAY 5TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 104.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	64	32	52·6	40·1	46·0	0 (average)	36	+ 2	5	- 6	191	-32	623	+ 27
	1. SCOTLAND, EAST	63	29	55·2	40·5	47·5	2 above	45	+ 4	4	- 7	247	-43	678	+ 48
	2. ENGLAND, N.E.	67	38	58·0	43·2	50·1	4 above	57	+19	0	- 7	257	-23	510	- 27
	3. ENGLAND, EAST	72	32	60·8	43·0	51·4	3 above	66	+14	0	- 7	343	-24	520	- 82
	4. MIDLAND COUNTIES	66	30	58·2	41·9	49·7	1 above	54	0	0	- 8	341	-55	551	- 54
	5. ENGLAND, SOUTH	70	32	57·6	44·6	50·7	1 above	61	+ 3	0	- 2	414	- 1	384	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	61	33	54·5	42·4	48·1	1 above	43	- 2	0	- 7	273	-39	499	+ 49
	7. ENGLAND, N.W.	62	30	55·2	44·3	49·4	1 above	52	+ 5	0	- 5	279	-39	444	- 4
	8. ENGLAND, S.W.	64	28	55·5	43·4	49·1	0 (average)	50	- 3	0	- 3	418	-14	329	- 28
	9. IRELAND, NORTH	61	34	54·5	42·4	48·1	0 (average)	43	- 5	0	- 5	310	-74	415	+ 28
	10. IRELAND, SOUTH	65	36	55·8	44·9	50·0	1 above	56	+ 2	0	- 3	439*	-56	373	+ 79
	—CHANNEL ISLANDS-	63	33	57·7	47·7	52·4	2 above	73	+14	0	0	621	+93	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 104.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	6 more	92	+ 7	17·3	+ 0·4	28	- 8	26	- 8	339	+19	26	+ 2
	1. SCOTLAND, EAST	4	6	2 more	75	+ 9	11·1	+ 1·4	26	-10	25	- 9	356	-14	27	- 1
	2. ENGLAND, N.E.	2	2	2 less	68	+ 4	9·3	+ 1·8	24	- 9	23	- 8	344	-25	25	- 2
	3. ENGLAND, EAST	2	1	3 less	68	+ 5	8·9	+ 1·7	47	+ 4	46	+ 4	458	+14	32	+ 1
	4. MIDLAND COUNTIES	4	4	0 (average)	66	+ 6	10·2	+ 2·0	27	- 9	26	- 9	365*	+ 3	28	0
	5. ENGLAND, SOUTH	5	4	0 (average)	66	+ 8	10·7*	+ 1·9	44	0	43	0	441	- 3	32	0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	18	13 more	79	+ 8	17·5	0·0	31	- 9	29	-10	391	+13	29	+ 1
	7. ENGLAND, N.W.	4	5	1 more	71	+ 6	11·8	+ 1·9	30	- 9	29	-10	407	+29	30	+ 3
	8. ENGLAND, S.W.	6	12	7 more	75	+ 9	16·4	+ 3·4	33	-12	32	-13	457	-17	33	- 2
	9. IRELAND, NORTH	6	12	8 more	85	+10	12·0	+ 1·2	24	-14	23	-13	388	+20	29	+ 2
	10. IRELAND, SOUTH	5	13	7 more	75	+ 5	13·5	+ 0·4	26	-16	24	-17	411	-25	30	- 2
	— CHANNEL ISLANDS-	4	8	4 more	83	+11	14·6	+ 3·7	46	- 3	45	- 5	491	-18	36	- 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was unsettled, with frequent rain in all parts of the Kingdom, excepting the east and north-east and extreme south-east of England. In these latter districts the weather was generally fine.

Temperature was above the mean in most districts, but only just equal to it in Scotland N., England S.W., and Ireland N. The excess ranged from 4° in England N.E., and 3° in England E., to 1° in Scotland W., Ireland S., and some English districts. The highest of the maxima occurred on May 2nd at the Scotch and most of the Irish stations, but on the 5th over England. They varied from 72° in England E., and 70° in England S., to 61° in Scotland W. and Ireland N. The lowest of the minima were registered on April 29th over England, on the 30th in Scotland, and on irregular dates in Ireland; they ranged from 28° in England S.W. (at Llandovery), 29° in Scotland E., and 30° in the Midland Counties and England N.W., to 36° in Ireland S.

Rainfall was considerably more than the mean in most parts of the Kingdom, but was less than the normal in England E. and N.E., and only just equal to it in the Midland Counties and England S.

Bright Sunshine was less than the mean in all districts, excepting England E. and S. The percentage of the possible duration ranged from 46 in England E., 45 in the Channel Islands, and 43 in England S., to 26 in the Midland Counties, to between 25 and 29 in Scotland, and to between 23 and 24 in Ireland.

Barometer and Wind.—At the commencement of the week small depressions (secondary to large systems which were passing across Scandinavia) were moving eastwards or south-eastwards over the northern parts of our Islands, causing North-Westerly and Northerly winds in Scotland, and Westerly winds over Ireland and England. By the morning of May 1st the centre of a rather deep disturbance had appeared to the northward of the Shetlands, and as it moved away the wind increased to a strong gale from the North-Westward on our northern coasts. From this date depressions moved northwards outside the Irish and Scotch coasts, and the resulting Southerly to South-Westerly winds, which were fresh or strong generally, occasionally blew with the force of a gale in the west and north.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 103 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head ℌ	50	32	47·9	37·9	42·6	− 0·9	21	11	6	0·62	+ 0·22	*	*	*	*
	Stornoway	55	35	51·7	39·6	45·3	+ 0·1	33	7	6	1·13	+ 0·61	27·2	−13·6	25	−13
	Wick	64	37	53·0	41·7	47·0	+ 1·7	36	1	5	0·66	+ 0·25	*	*	*	*
	Lairg ℌ	60	32	55·2	39·3	46·8	+ 1·6	45	8	3	0·25	− 0·24	*	*	*	*
	Glencarron ℌ	56	32	52·1	40·0	45·7	+ 0·2	34	6	7	1·45	+ 0·54	*	*	*	*
	Fort Augustus ℌ	60	37	55·1	41·1	47·7	+ 0·1	44	3	6	1·00	+ 0·50	26·4	− 1·4	24	− 4
	Fort William ℌ	58	34	53·3	40·9	46·7	− 1·2	38	3	6	2·92	+ 2·12	28·9	− 7·9	27	− 8
1. SCOTLAND E.	Nairn	63	30	58·4	39·9	48·6	+ 1·7	55	6	4	0·11	− 0·21	*	*	*	*
	Aberdeen	62	37	53·3	41·6	47·1	+ 1·3	37	1	4	0·56	+ 0·13	30·6	− 8·6	28	− 9
	Braemar ℌ	56	29	50·7	37·2	43·6	+ 0·3	31	13	5	1·97	+ 1·44	20·0†	−15·6†	19†	−15†
	Ochtertyre ℌ												*	*	*	*
	Leith	63	40	58·7	44·1	51·0	+ 3·6	63	0	3	0·13	− 0·17	*	*	*	*
	Marchmont ℌ	59	38	55·1	39·9	47·0	+ 1·5	44	6	4	0·36	− 0·13	23·3	−13·7	22	−14
2. ENGLAND, N.E.	Alnwick Castle	64	39	57·7	42·2	49·5	+ 4·4	53	0	1	0·26	− 0·16	*	*	*	*
	Durham	62	38	57·5	41·5	49·0	+ 2·8	51	1	3	0·23	− 0·14	27·4	− 6·1	26	− 5
	Shields	64	40	57·4	42·9	49·7	+ 4·0	54	0	3	0·15	− 0·20	*	*	*	*
	Scarborough ℌ	67	39	58·9	43·0	50·5	+ 3·8	60	0	3	0·12	− 0·28				
	Spurn Head ℌ	65	42	58·3	46·4	52·0	+ 5·1	70	0	1	0·02	− 0·28	*	*	*	*
3. ENGLAND, E.	Hillington ℌ	72	34	62·5	42·4	51·9	+ 3·7	69	0	3	0·12	− 0·24	43·5	+ 1·9	42	+ 2
	Yarmouth	59	37	55·9	43·9	49·5	+ 2·3	53	0	0	—	− 0·33	*	*	*	*
	Geldeston	70	35	62·3	42·5	51·8	+ 4·0	69	0	1	0·06	− 0·25	44·7	+ 1·7	43	0
	Cambridge	72	34	64·7	42·4	52·9	+ 3·4	76	0	3	0·07	− 0·30	48·6	+ 7·8	47	+ 8
	Felixstowe	64	36	58·5	45·6	51·7	+ 3·5	68	0	2	0·05	?	56·2†	?	55†	?
	Rothamsted	67	32	61·0	41·4	50·6	+ 2·3	63	2	4	0·16	− 0·32	43·8	+ 5·5	43	+ 6
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	66	33	61·1	39·4	50·6	+ 1·4	71	7	3	0·15	− 0·18	*	*	*	*
	Loughborough	66	34	60·7	43·6	51·6	+ 2·1	67	0	3	0·39	+ 0·02	*	*	*	*
	Stamford (Ketton)												*	*	*	*
	Cheadle ℌ	62	34	56·0	41·2	48·2	+ 1·2	47	2	4	0·40	− 0·02	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	61	38	56·3	43·0	49·3	+ 1·0	51	0	4	0·57	+ 0·07	19·9	?	19	?
	Churchstoke ℌ	63	34	57·6	40·3	48·4	+ 1·7	52	5	5	0·62	+ 0·22	29·5	− 8·5	28	− 9
	Hereford (Belmont) ℌ	62	33	57·0	42·7	49·3	+ 0·6	51	0	6	0·74	+ 0·36	*	*	*	*
	Cirencester	62	30	57·7	40·7	48·7	+ 1·0	52	4	5	0·29	− 0·11	26·8	− 14·4	26	−14
	Oxford	64	36	59·4	43·9	51·2	+ 1·7	64	0	3	0·08	− 0·27	30·6	− 8·9	30	− 9
5. ENGLAND, S.	London	70	35	62·6	44·9	53·2	+ 2·7	78	0	2	0·21	− 0·17	40·5†	+ 4·9†	39†	+ 5†
	Cranley ℌ												*	*	*	*
	Dungeness	68	32	57·1	45·4	50·9	+ 1·8	62	0	3	0·08	− 0·22	48·1	?	47	?
	Hastings (St. Leonards)	65	38	56·2	45·8	50·7	+ 1·0	61	0	4	0·15	− 0·17	42·5	− 4·5	41	− 6
	Southampton	64	35	60·6	45·5	52·6	+ 1·8	74	0	5	0·48	+ 0·08	39·7	− 4·3	39	− 5
	Portland Bill	58	38	54·4	44·1	48·9	+ 0·2	48	0	6	0·46	?	*	*	*	*
	Shaftesbury ℌ	56	35	54·4	42·1	47·9	− 0·4	41	0	7	1·10	+ 0·51	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	33	53·4	41·4	47·0	− 1·2	38	2	6	3·62	+ 2·85	*	*	*	*
	Glasgow	61	40	55·2	42·9	48·7	+ 1·4	47	0	5	0·60	+ 0·23	32·2	− 1·1	30	− 2
	Glenlee ℌ	61	37	56·0	41·2	48·2	+ 1·2	47	2	7	1·89	+ 1·38	*	*	*	*
	Douglas (Isle of Man)	59	40	53·2	43·9	48·3	+ 0·6	44	0	4	0·97	+ 0·55	29·5	−16·5	28	−17
7. ENGLAND, N.W.	Newton Reigny	58	30	54·9	41·2	47·6	+ 1·8	43	2	4	0·85	?	31·7	?	30	?
	Stonyhurst	59	38	54·8	42·8	48·4	+ 0·7	45	2	4	0·40	− 0·07	22·9	−15·1	22	−15
	Blackpool ℌ	62	44	56·0	45·9	50·7	+ 2·3	61	0	3	0·16	− 0·16	29·4	− 8·6	28	−10
	Manchester (Prestwich)	63	38	56·4	42·8	49·4	+ 1·9	52	0	5	0·58	+ 0·18	17·6	?	17	?
	Liverpool Obsy. (Bidston)	62	42	55·9	45·4	50·3	+ 0·8	58	0	4	0·42	+ 0·12	27·4	?	26	?
	Llandudno ℌ	61	45	55·7	47·0	51·1	+ 1·6	64	0	4	0·52	+ 0·17	33·8	− 5·2	33	− 6
	Holyhead	55	43	52·4	44·7	48·3	− 0·6	44	0	5	0·57	+ 0·21	*	*	*	*
8. ENGLAND, S.W.	Llandovery	60	28	55·6	39·7	47·2	− 1·2	46	6	7	1·26	+ 0·76	*	*	*	*
	Pembroke	53	42	51·3	45·1	48·0	− 0·3	42	0	6	1·34	+ 0·99	30·9	−15·8	30	−15
	Clifton	61	39	57·1	45·4	50·9	+ 2·2	62	0	5	0·79	+ 0·34	*	*	*	*
	Arlington (N. Devon)	58	34	54·3	41·1	47·3	− 0·9	41	3	6	1·50	+ 1·00	*	*	*	*
	Cullompton ℌ	64	31	59·0	42·7	50·4	+ 0·7	59	0	6	1·17	+ 0·59	27·0	−13·0	26	−15
	Falmouth	59	42	55·8	45·6	50·4	+ 0·7	59	0	7	1·45	+ 0·78	35·1	−11·9	34	−13
	Plymouth	61	37	55.2	44·2	49·4	− 1·3	52	0	5	0·89	+ 0·44	31·2	−13·5	31	−14
9. IRELAND, N.	Malin Head	56	42	53·3	44·3	48·5	+ 0·6	46	0	6	0·22	?	*	*	*	*
	Londonderry	61	35	56·5	41·1	48·3	− 0·8	48	3	6	0·71	+ 0·32	*	*	*	*
	Edenfel (Omagh)	58	35	54·1	41·7	47·5	+ 0·4	40	1	5	0·98	+ 0·54	*	*	*	*
	Blacksod Point	55	40	52·4	43·9	47·9	− 1·4	41	0	7	2·81	?	*	*	*	*
	Markree Castle	58	40	54·8	42·1	48·1	+ 0·6	43	0	7	1·86	+ 1·38	25·0	−13·8	24	−13
	Armagh	60	37	56·3	41·5	48·5	+ 1·0	48	1	6	0·87	+ 0·37	22·0	−14·7	21	−15
	Donaghadee	60	34	54·3	42·0	47·8	+ 0·3	41	0	4	1·13	+ 0·74	*	*	*	*
10. IRELAND, S.	Dublin	65	42	58·3	45·7	51·6	+ 2·0	67	0	4	0·50	+ 0·06	32·2	−11·2	31	−11
	Parsonstown	61	40	56·7	43·3	49·6	+ 1·1	53	0	4	0·70	+ 0·24	24·3	−14·7	23	−15
	Kilkenny	60	36	53·9	44·3	48·8	− 0·3	48	0	6	0·83	+ 0·36	*	*	*	*
	Roche's Point	57	44	55·4	46·6	50·7	+ 0·5	61	0	5	1·03	+ 0·32	*	*	*	*
	Valencia	59	42	54·1	45·9	49.8	− 0·4	55	0	6	2·61	+ 1·76	19·9	−23·4	19	−24
	Killarney	61	42	56·1	44·9	50·2	+ 0·7	57	0	6	2·05	?	*	*	*	*
	Foynes	59	37	56·0	43·4	49·3	− 0·1	51	0	5	1·12	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	58	48	56·1	48·7	52 2	+ 2·2	71	0	5	0·87	+ 0·49	42·7	?	42	?
	Jersey	63	33	59·3	46·7	52·6	+ 1·2	74	0	3	0·65	+ 0·28	?46·6	− 3·8	?46	− 5

Stations marked ℌ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society.

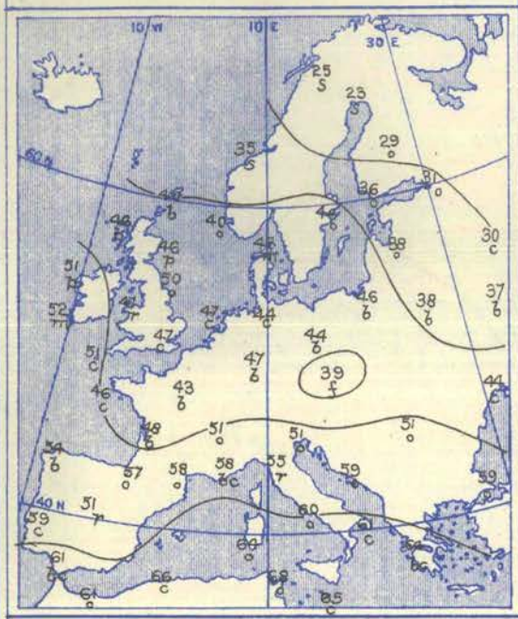
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College Westminster. For additional Reports of Sunshine, see last page.

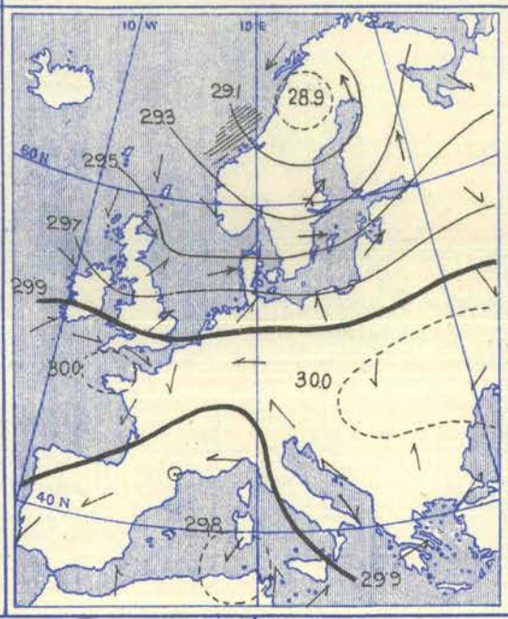
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 29th April.

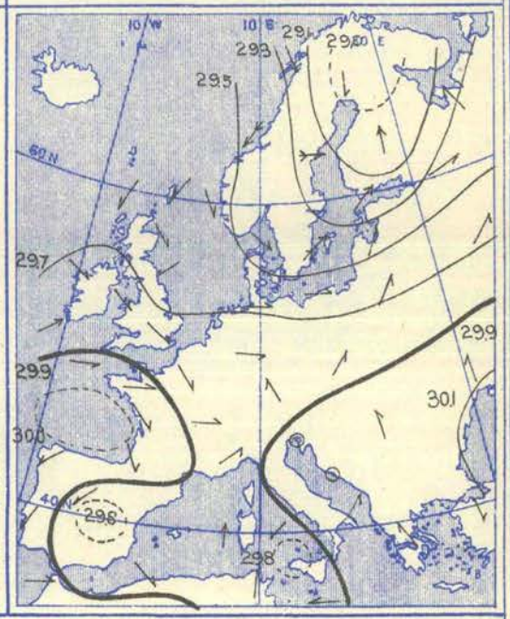
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m



Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with showers at some of the Irish and Scotch stations, and snow over the northern parts of Scandinavia; rain falling at Florence and Madrid. Fine on the east and south-east coasts of England, as well as in the northern parts of France and in Belgium, Germany and Austria. Rain falling later in many parts of the United Kingdom and also in Italy.

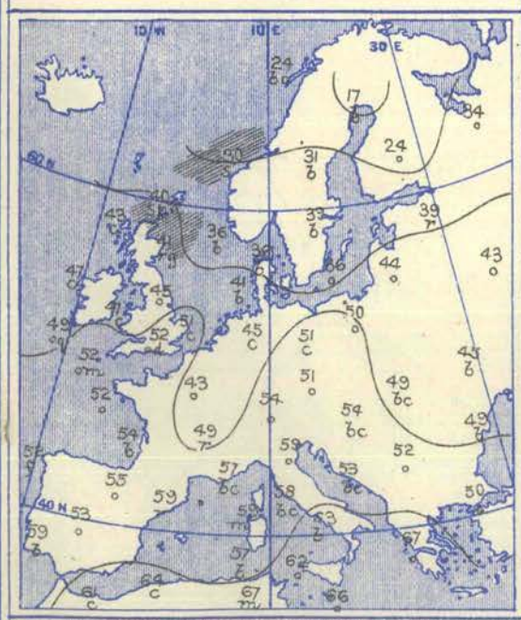
Temperature risen over Ireland and England and also over northern Europe generally; fallen in Scotland; changed rather irregularly elsewhere. Morning readings highest, 68° at La Calle and Tunis, 66° at Algiers and Sfax, and 65° at Malta; above 60° at many of the Mediterranean stations. Lowest, 23° at Haparanda, 24° at Uleaborg, and 25° at Bodö and Archangel; lowest in our Islands 40° at Sumburgh Head. Thermometer rising during day to between 55° and 60° in many parts of England and Ireland, and to 62° at Leith. Touching 70° in some parts of central France, and exceeding that point at several of the Mediterranean stations, the highest reading of all being 86° at Palermo.

Wind light to moderate from the Westward or South-Westward over Ireland, England and the Netherlands, and strong from the same quarters in Denmark and the south of Scandinavia, with a gale at Stockholm and Wisby; Southerly in Finland; North-Easterly in the west of Norway, and North-Westerly in the north of Scotland. Northerly or North-Easterly over France and the Spanish Peninsula; variable over Germany, Italy, Austria and the extreme south of France. Subsequently shifting to the North-Westward in the north of Ireland and also in the west of France; no important change occurring elsewhere.

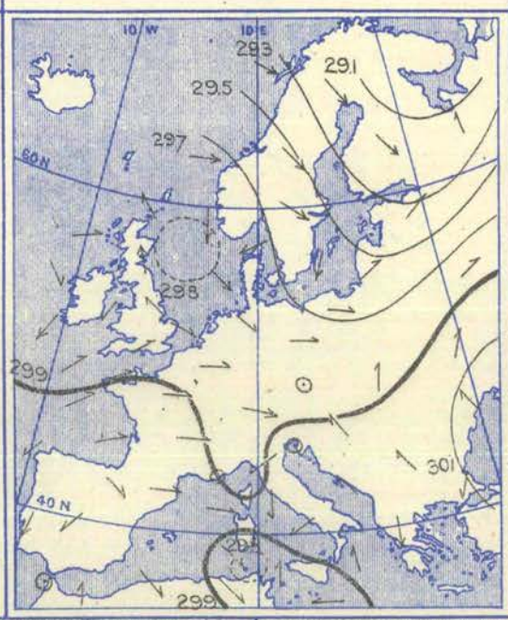
Barometer highest, 30·0 ins. and upwards over Brittany, and also over Austria and the extreme south of Russia. Lowest, 28·9 ins. and less in a well-marked depression over the north of Scandinavia. Depression subsequently travelling eastwards; small secondary disturbances moving in a similar direction across our Islands and the North Sea.

Monday, 30th April.

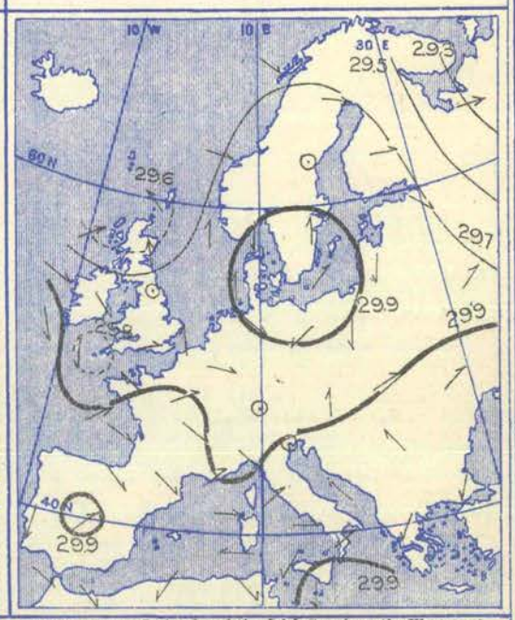
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and unsettled over the United Kingdom generally with rain at many of our southern stations, as well as at Aberdeen; snow falling at Sumburgh Head, and also at Christiansund. Fine over the greater part of Scandinavia and Denmark, and also over Italy, eastern Germany and the south of Russia; cloudy in other parts of the Continent, with rain at Münster, Frankfurt and Barcelona. A little rain falling later over the northern parts of our Islands generally, and also in the north-west of France.

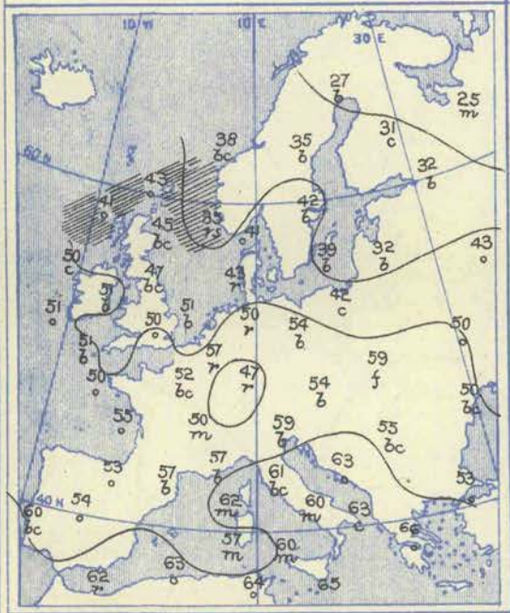
Temperature fallen in the west and north of our Islands and also over the northern parts of the Continent, risen elsewhere. Morning readings highest, 67° at Patras and La Calle, and 66° at Malta, above 60° at several of the Mediterranean stations. Lowest, 17° at Uleaborg, 22° at Haparanda, and 24° at Bodo and Kuopio; below the freezing point over the northern parts of Russia and Scandinavia generally. Daily maxima below 50° on most parts of our own north and north-east coasts, but thermometer exceeding 55° at several of our southern stations, reaching 65° or more in many parts of France, and exceeding 70° at several stations in southern Europe.

Wind light to moderate from the Northward over Ireland and the Irish Sea, from the Westward or South-Westward over the south of England and adjacent parts of the Continent, and from the South-Eastward all along the east coasts of Great Britain. Strong from the North-Westward or Northward over Scandinavia, Denmark and Finland; Westerly or South-Westerly over Germany; South-Westerly or Southerly over the central and southern parts of Russia. Calm or South-Easterly in Austria, variable in Italy and the south of France; North-Easterly (North to East) over the Spanish Peninsula. Subsequently shifting to the Northward in the south-west of England and to the Southward in the south of Scandinavia; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone over the Black Sea and the south of Russia; 30·0 ins. and upwards in another system lying off the west of the Spanish Peninsula. Lowest, 29·1 ins. and less in a large depression moving eastwards across the extreme north of Russia; small shallow disturbances reported over south Wales and off the south-east of Ireland. New and rather deep depression beginning to appear later off the north of Scotland; small disturbances moving eastward or south-eastward.

Tuesday, 1st May.

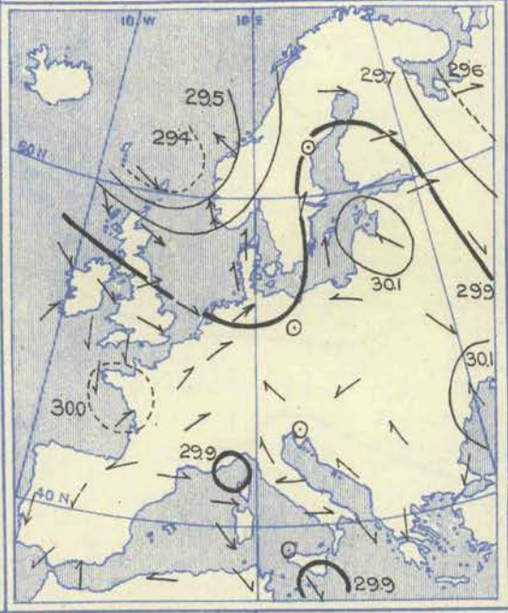
Temperature and Weather. 8 a.m.



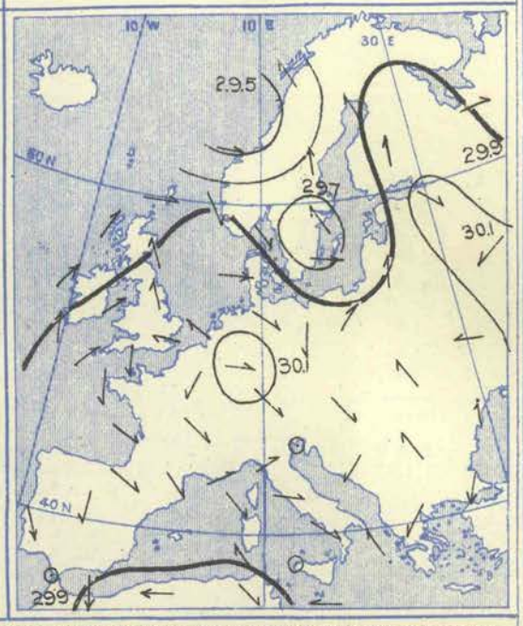
Weather in morning fine over the United Kingdom generally, but dull in the extreme south-east of England as well as at some stations in the south of Ireland. Dull over the western parts of the Continent, with rain in Belgium, western Germany and Denmark, and sleet at Skudesnaes; fine over Sweden and the eastern, central and southern countries generally. Rain falling later in the west and extreme north of our Islands and also in Sweden. Solar halos seen at Spurn Head, Oxford and Pembroke, and lightning at Jersey.

Temperature risen over north-western and northern Europe generally, changed irregularly elsewhere. Morning readings highest, 66° at Patras, 65° at Malta, and 64° at Sfax; above 60° at several of the Mediterranean and Spanish coast stations. Lowest, 25° at Moscow, 27° at Haparanda, 30° at Bodö, and 31° at Kuopio; lowest in our Islands, 41° at Stornoway. Rising during day to 55° and upwards in many parts of the United Kingdom to 62° at Loughborough and 63° in London; exceeding 65° at several of the French stations, and exceeding 70° in Spain, Italy and Austria.

Barometer and Wind. 8 a.m.



6 p.m.

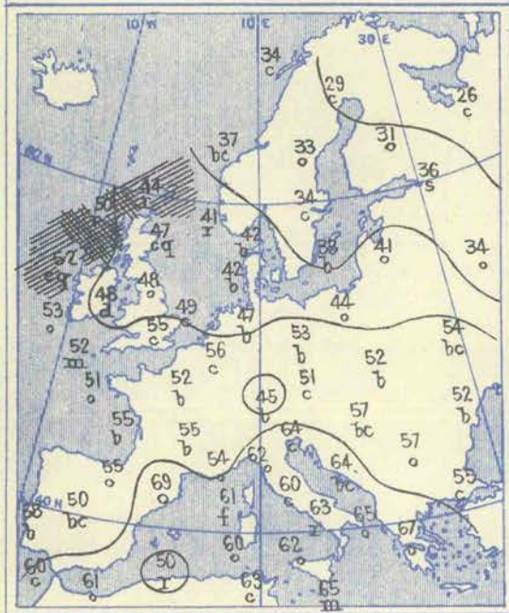


Wind Westerly or North-Westerly over the greater part of our Islands, and strong to a gale from the latter quarter in the north of Scotland; South-Easterly over Norway and Denmark, with a gale at Skudesnaes. Light from the Northward over the English Channel; cyclonic circulation of very light breezes reported over the north and west of France. Variable over eastern, central and southern Europe as a whole, but North-Easterly or Northerly over the Spanish Peninsula. Subsequently backing to the South-Westward or Southward in the west and north of our Islands and increasing to a gale at night in the west of Ireland.

Barometer highest, 30·2 ins. to 30·0 ins. in an anticyclone over the Baltic and the west and south of Russia; 30·0 ins. and upwards in another system over the south of our Islands and the greater part of France and Spain. Lowest, 29·4 ins. and less in a depression with its centre a little to the north-eastward of the Shetlands. Depression subsequently moving on to the west of Norway, but new disturbance approaching our own western coasts in evening

Wednesday, 2nd May.

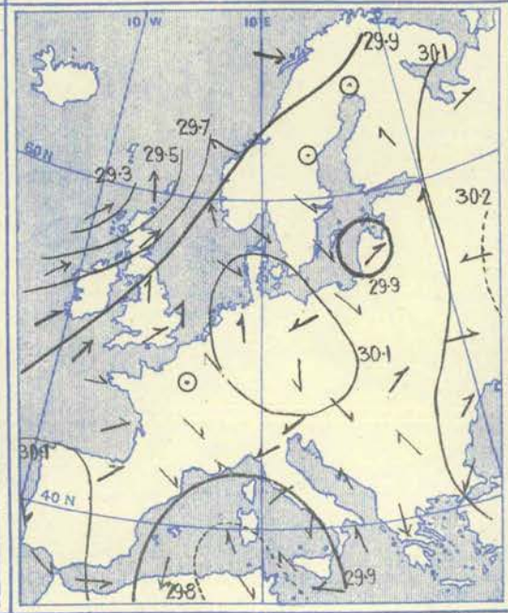
Temperature and Weather. 8 a.m.



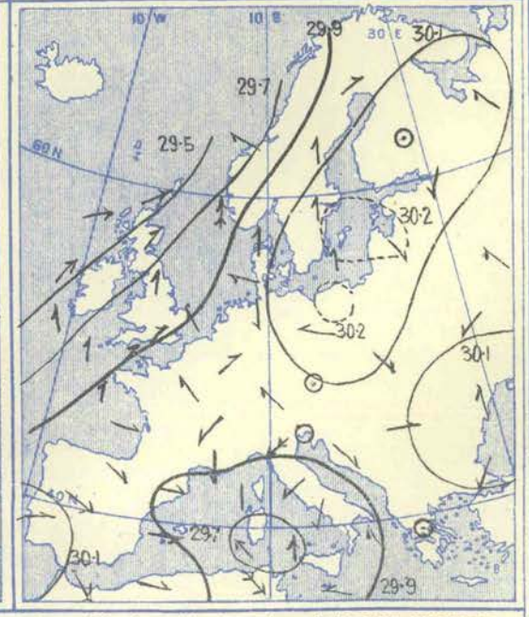
Weather in morning dull in the west and north of our Islands, with fog or mist and slight rain in many places. Fine in the south and east of England and also over the western and central parts of the Continent generally. Cloudy or dull in many parts of Scandinavia and northern Russia, with rain at Skudesnaes and snow at Hangö and St. Petersburg; dull also over Greece, Italy and the south of France, with rain at Naples. Considerable quantities of rain falling later at several of our western stations and smaller amounts in Spain and Italy.

Temperature risen in our Islands; changed rather irregularly elsewhere. Morning readings highest, 69° at Barcelona and La Calle, 67° at Patras, and 66° at Athens; above 60° at most of the Mediterranean and Adriatic stations. Lowest, 26° at Archangel, 29° at Haparanda, and 31° at Kuopio; lowest in our Islands, 44° at Sumburgh Head. Rising during day to 60° and upwards in many parts of the United Kingdom; reaching 70° or more at several of the Continental stations, and touching 76° at Madrid and 88° at Palermo.

Barometer and Wind. 8 a.m.



6 p.m.

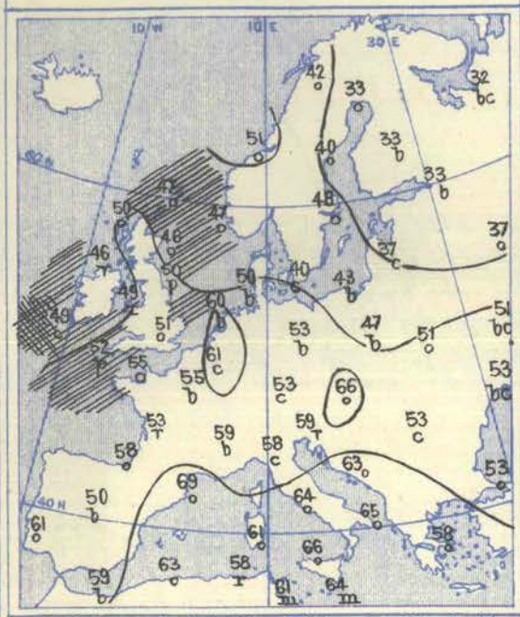


Wind Southerly or South-Westerly in our Islands, and fresh or strong in force on our western and northern coasts, with a gale at Stornoway; South-Easterly in the west of Norway. North-Westerly in Denmark, the Baltic, eastern Germany and Austria, but South-Easterly over northern Russia and calm in the Gulf of Bothnia. Rather variable, but chiefly South-Easterly over Italy, the Adriatic, and the extreme south of France; South-Westerly in the south-west of France; North-Westerly in the southern parts of the Spanish Peninsula. Subsequently backing and increasing on our own extreme western coasts.

Barometer highest, 30·2 ins. and upwards in an anticyclone over central Russia; 30·1 ins. and upwards in two other systems—one lying over Germany and the other over the western parts of the Spanish Peninsula. Lowest, 29·3 ins. and less in a rather deep depression with its centre off the north-west of Scotland; 29·8 ins. and less in a shallow system over Tunis and the adjacent parts of the Mediterranean. Depression off Scotch coasts subsequently moving away to the northward, but new disturbance approaching Ireland from the west.

Thursday, 3rd May.

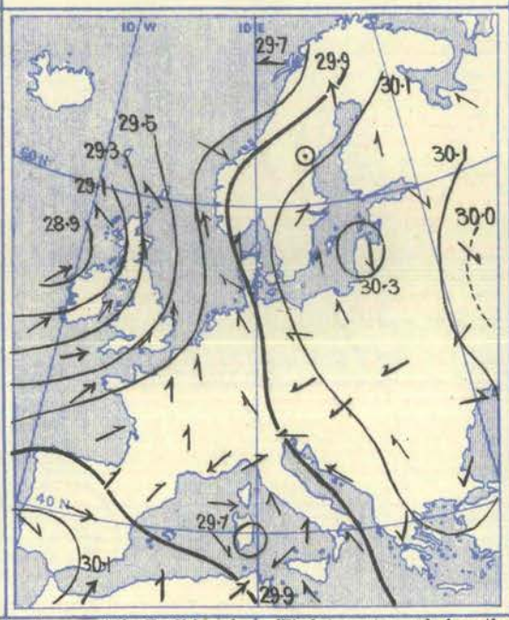
Temperature and Weather. 8 a.m.

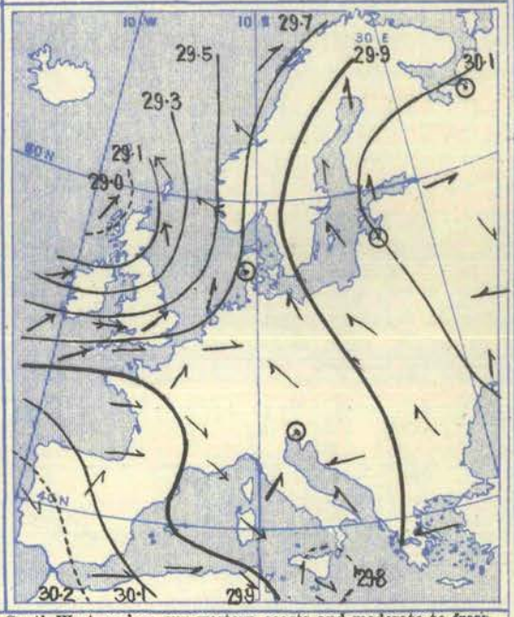


Weather in morning dull and unsettled over our Islands with rain at many of the English and Irish stations. Fine over the greater part of the Continent, but dull in the west and north of Scandinavia and also over Italy and the south of France with rain at Rochefort, Turin and Trieste. Rain falling later in nearly all parts of north-western Europe—rather heavily in the west of Ireland; considerable quantities reported also at some of the Austrian stations.

Temperature fallen in Ireland and Scotland and also over western Russia, risen elsewhere. Morning readings highest, 69° at Barcelona and 68° at Athens and Patras; above 60° at the Mediterranean, Adriatic and Spanish coast stations generally. Lowest, 32° at Archangel, 33° at Kuopio and St. Petersburg and 34° at Hangö; lowest in our Islands 46° at Aberdeen and Malin Head. Rising during day to between 55° and 60° in most parts of Great Britain and to 62° in London and at Loughborough; exceeding 70° at many stations in central and southern Europe, and reaching 82° at Barcelona and Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.



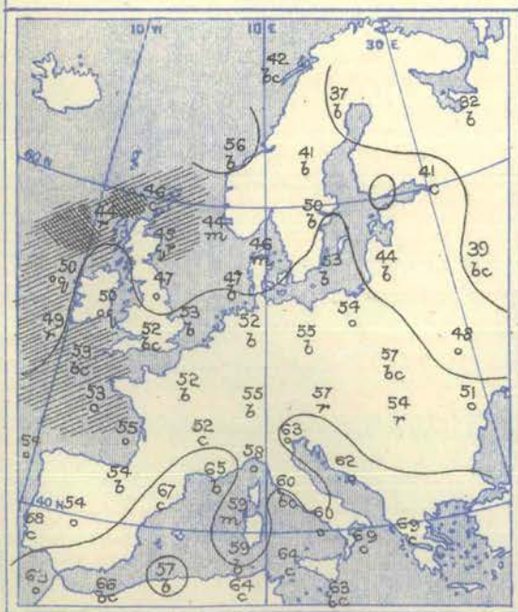


Wind strong to a gale from the South-Westward on our western coasts and moderate to fresh from the same quarter over the English Channel and the Bay of Biscay; light to fresh from the South-Eastward on the north and east coasts of Great Britain, and also over the Netherlands, Denmark and the south of Norway; Southerly in Sweden and Finland. Easterly or South-Easterly over Germany, Austria and Italy, Northerly or North-Easterly in Greece, Westerly or North-Westerly over the Spanish Peninsula. Subsequently increasing to a gale from the South-Eastward in the east of Scotland; veering to the Westward on our western coasts, and blowing still harder.

Barometer highest 30·3 ins. to 30·1 ins. in an anticyclone over all the more western parts of Russia, 30·1 ins. and upwards in another system over Morocco and the southern parts of the Spanish Peninsula. Lowest, 28·9 ins. and less in a deep depression with its centre off the north-west of Ireland, 29·7 ins. and less in a shallow disturbance off the Sardinian coasts. Irish depression subsequently moving northwards along the west of Scotland, and barometer rising in nearly all parts of our Islands and France.

Friday, 4th May.

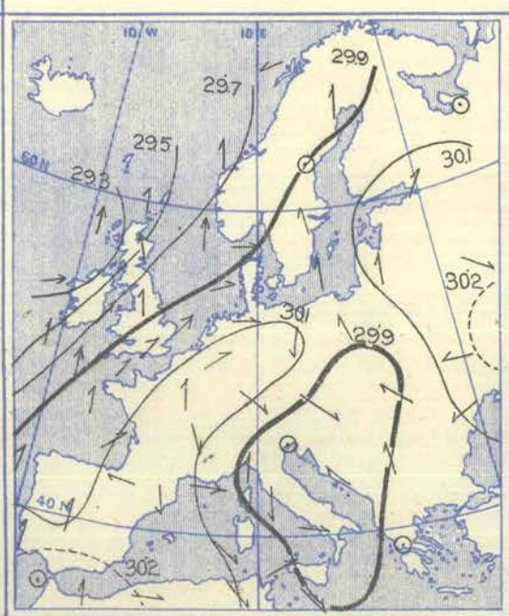
Temperature and Weather. 8 a.m.

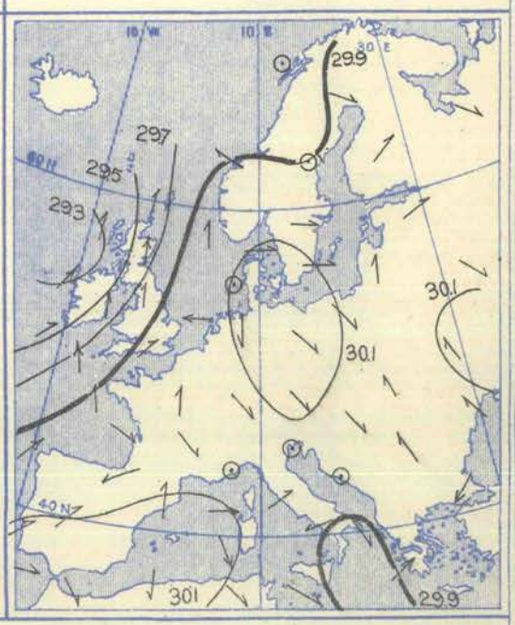


Weather in morning dull in the west and north of our Islands, with rain in the north of Scotland and also at Valencia (Ireland). Fine in the east and south of England, and also over the western and northern parts of the Continent generally; dull in Spain and Italy, with rain at Pesaro; rainy also in many parts of Austria and eastern Germany. Rain falling later in the west and north of our Islands generally—heavily in the extreme north-west. Solar halo seen at Oxford.

Temperature risen in most countries, but fallen in Scotland and also in France and the Netherlands. Morning readings highest, 69° at Brindisi and Patras, 67° at Barcelona; above 60° at most of the Mediterranean and Adriatic stations. Lowest, 32° at Archangel and 37° at Haparanda and Helsingfors; lowest in our Islands 44° at Stornoway and Wick. Rising during day to 60° or slightly above it in many parts of Great Britain; exceeding 65° in Germany and the north of France; exceeding 70° over southern Europe generally, and reaching 80° at Perpignan and 82° at Bilbao.

Barometer and Wind. 8 a.m. and 6 p.m.



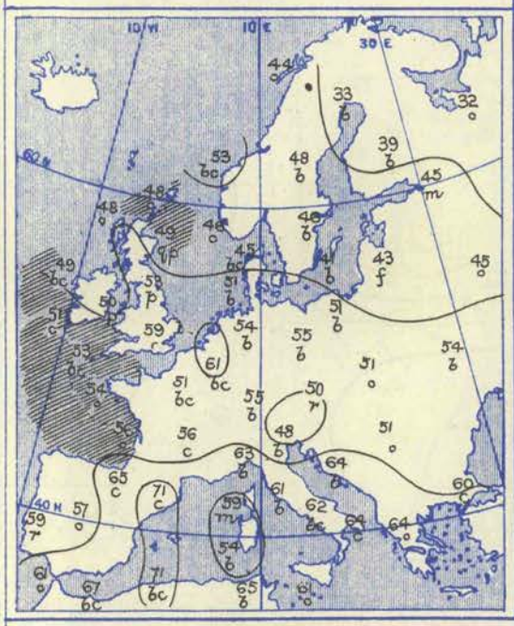


Wind Southerly or South-Westerly over western and northern Europe generally, and strong in force on our own western and northern coasts. Light to moderate from the North-West over eastern Germany, Austria, Italy and the south of France; Easterly in the south of Russia. Wind moderating later in the extreme west and north of our Islands, but continuing to blow very strongly on our western coasts generally.

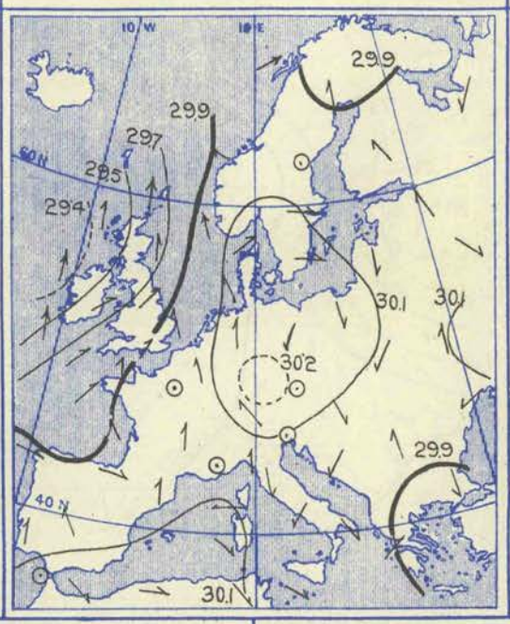
Barometer highest, 30·2 ins. to 30·1 ins. in an anticyclone lying over the greater part of Spain, France, Belgium and western Germany, and also in another system over Russia. Lowest, 29·3 ins. and less in a depression off our extreme north-west coasts. Depression subsequently moving northwards, but another system appearing off the west of Ireland. Small secondary systems beginning to form over the Bay of Biscay and the north of Spain.

Saturday, 5th May.

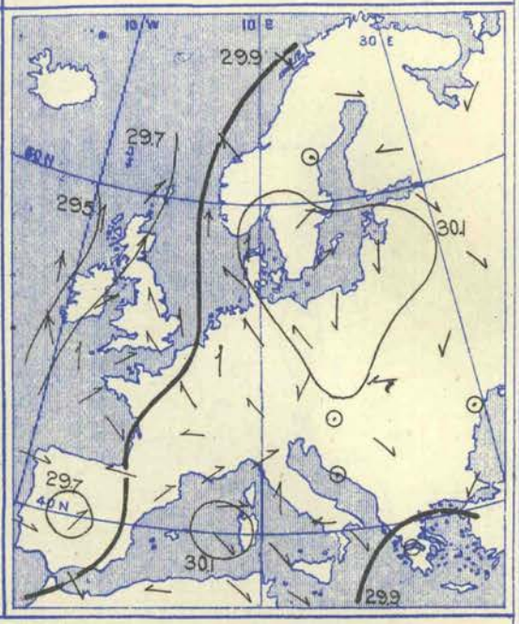
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning changeable in our Islands, with passing showers in several places. Fine over the greater part of the Continent, but dull over the Spanish Peninsula and also in Austria and Greece, with rain at Lisbon and Vienna. Rain falling later in the west and north of France and also in the west of Norway, the amount at Bodö being as much as 2·3 ins.

Temperature risen in our Islands, and also in the Spanish Peninsula and the west of France; fallen elsewhere. Morning readings highest, 72° at Sfax, 71° at Barcelona and Algiers, and 68° at Toulon; above 60° at the Mediterranean and Adriatic stations generally. Lowest, 32° at Archangel, 33° at Haparanda, 37° at Hangö, and 39° at Kuopio; lowest in our Islands, 47° at Donaghadee. Rising during day to between 60° and 65° in many parts of Great Britain, to 68° at Oxford, and to 70° in London. Exceeding 70° in several parts of central and southern Europe, and reaching 82° at Clermont, and 84° at Madrid.

Wind Southerly (South-Easterly to South-Westerly) over western Europe generally; light to fresh in force in most places, but strong in the west of Ireland. Northerly to North-Westerly in Germany, Austria and Italy; calm in the south of France; variable in Russia and Greece. Subsequently veering to the Westward at the English Channel stations; becoming very variable over France.

Barometer highest, 30·2 ins. and upwards to 30·1 ins. in an anticyclone over Germany, Denmark, and the south of Sweden; 30·1 ins. and upwards in two other systems, one lying over the south of Russia and the other over Algeria, the south of Spain and the western parts of the Mediterranean. Lowest, 29·4 ins. and less in a depression off our own extreme north-west coasts; depression remaining almost stationary throughout the day, but shallow secondary disturbance appearing over central Spain in evening.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The general distribution of pressure over Europe was of a rather complex nature. As a rule there were two anticyclones in existence, one over eastern or south-eastern Europe, and the other over or to the south-west of the Spanish Peninsula, the latter in some cases extending temporarily north-eastwards across France and Germany, and our own south and south-east coasts. Over the United Kingdom, as a whole, however, the weather was influenced in the first instance by small secondary depressions which appeared in the rear of a large disturbance moving eastwards across Scandinavia, and later on by large cyclonic systems which advanced in quick succession from the Atlantic. The first of these skirted our extreme northern coasts on May 1st and afterwards moved away to the north-east, the wind in its rear increasing to a gale from the North-West in the north of Scotland. The other disturbances moved quickly northwards outside the Irish and Scotch coasts throughout the remainder of the week and occasioned strong winds or gales from the South in the west and north of our Islands generally, with frequent falls of rain, the latter being often heavy on the western coasts of Ireland and Scotland. On May 3rd one of the western depressions spread considerably to the eastward and occasioned strong squally winds and rain over the eastern and southern parts of the Kingdom, but at other times the weather in these districts was mostly fair and dry. Over southern Europe the conditions were affected by shallow depressions which formed over the Mediterranean. These occasioned rain in many places, and on May 2nd, when one of the disturbances temporarily decreased in depth, gales or very strong winds were experienced in some parts of Italy and Tunis.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 104.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	23·2	?	26	?	BRIGHTON	46·4	+ 0·4	45	+ 1
STRATHPEFFER SPA	29·6	- 7·6	27	- 8	WORTHING		?		?
EDINBURGH	31·8	- 1·0	30	0	BOGNOR	50·2*	?	49*	?
MORPETH	20·0	?	19	?	WATERGATE (Emsworth)	39·1	?	38	?
NEWCASTLE-ON-TYNE	23·5	?	22	?	WESTBOURNE (Emsworth)	45·9*	- 1·7	45*	- 2
OSWALDKIRK (Yorkshire)	24·0	-11·9	23	-11	VENTNOR HOSPITAL	42·9	?	42	?
YORK					SOUTHPORT	31·2	?	30	?
LOWESTOFT	45·0	?	44	?	RHYL	32·5*	?	31*	?
HOLLESLEY BAY	47·9	?	47	?	COLWYN BAY	40·0	?	38	?
SHEFFIELD	24·6	?	24	?	ABERDOVEY	32·4*	?	31*	?
WORKSOP	26·3	- 7·5	26	- 7	TENBY	31·3	-16·7	30	-18
THURCASTON (Leicestershire)	29·4	- 6·6	28	- 8	NEWQUAY	38·8	- 6·0	38	- 6
MARGATE	45·4	+ 5·4	44	+ 6	TORQUAY	35·3	- 9·7	35	- 9
EASTBOURNE					GUERNSEY	49·2*	- 3·1	48*	- 4

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W.; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 19.] *Third Series.* WEEK ENDING SATURDAY, MAY 12TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 110.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	31	52·3	40·2	45·9	1 below	35	− 3	5	− 3	226	−35	628	+ 24
	1. SCOTLAND, EAST	62	32	51·1	38·8	44·6	2 below	32	−14	9	+ 1	279	−57	687	+ 49
	2. ENGLAND, N.E.	60	32	51·4	42·0	46·5	1 below	32	−13	0	− 5	289	−36	510	− 32
	3. ENGLAND, EAST	70	31	56·3	43·0	49·2	0 (average)	50	− 9	0	− 5	393	−33	520	− 87
	4. MIDLAND COUNTIES	64	32	56·1	41·6	48·4	1 below	46	−15	1	− 5	387	−70	552	− 59
	5. ENGLAND, SOUTH	71	38	57·6	45·1	51·0	0 (average)	63	− 3	0	− 1	477	− 4	384	− 89
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	37	55·0	42·6	48·8	0 (average)	46	− 5	0	− 5	319	− 44	499	+ 44
	7. ENGLAND, N.W.	64	35	54·5	42·7	48·3	1 below	44	−10	0	− 4	323	− 49	444	− 8
	8. ENGLAND, S.W.	65	34	56·7	43·6	49·7	1 below	54	− 6	0	− 2	472	− 20	329	− 30
	9. IRELAND, NORTH	65	39	56·2	44·9	50·2	1 above	57	+ 4	0	− 3	367	− 70	415	+ 25
	10. IRELAND, SOUTH	64	39	57·8	45·8	51·4	1 above	66	+ 6	0	− 2	505	− 50	373	+ 77
	—CHANNEL ISLANDS	66	42	59·2	48·2	53·4	2 above	80	+14	0	0	701	+107	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 110.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	4	2 less	95	+ 6	17·7	+ 0·2	34	0	31	0	373	+18	26	+ 1
	1. SCOTLAND, EAST	3	5	1 more	78	+ 9	11·6	+ 1·5	13	−25	12	−24	369	−39	26	− 2
	2. ENGLAND, N.E.	2	6	2 more	70	+ 3	9·9	+ 2·0	16	−25	15	−23	360	−49	24	− 4
	3. ENGLAND, EAST	3	7	3 more	71	+ 5	9·6	+ 2·0	27	−18	26	−17	485	− 4	31	− 1
	4. MIDLAND COUNTIES	4	12	7 more	70	+ 8	11·4	+ 2·8	20	−18	18	−18	383*	−15	28	− 1
	5. ENGLAND, SOUTH	3	5	1 more	69	+ 8	11·2	+ 2·0	28	−19	27	−19	470*	−24	31	− 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	6	0(average)	83	+ 8	18·1	0·0	27	−14	25	−14	418	− 1	29	0
	7. ENGLAND, N.W.	4	9	5 more	75	+ 7	12·7	+ 2·4	24	−15	22	−16	431	+14	29	+ 1
	8. ENGLAND, S.W.	4	6	1 more	79	+11	17·0	+ 3·5	36	−11	34	−11	493	−28	33	− 2
	9. IRELAND, NORTH	4	6	1 more	89	+10	12·6	+ 1·3	30	− 9	28	− 9	418	+10	29	+ 1
	10. IRELAND, SOUTH	4	5	1 less	79	+ 6	14·0	+ 0·2	32	−11	30	−11	443	−37	30	− 3
	— CHANNEL ISLANDS	2	3	1 less	85	+10	14·9	+ 3·7	52	+11	55	+10	557	− 6	39	0

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was somewhat unsettled generally, a good deal of cloud prevailing, and showers falling from time to time in all districts.

Temperature did not differ much from the mean, being slightly above it in Ireland and the Channel Islands, and a little below, or just equal to it, in the other parts of the Kingdom. The highest of the maxima were recorded, as a rule, on the 6th, when they ranged from 71° in England S. and 70° in England E., to 62° in Scotland E., and to 60° in England E. Towards the end of the week the daily maxima were much lower, the thermometer not rising to 50° at most of our eastern, northern and inland stations. The lowest of the minima were registered on the 11th, and ranged from 31° in Scotland N. and England E., and 32° in Scotland E., England N.E., and the Midland Counties, to 39° over Ireland, and to 42° in the Channel Islands.

Rainfall exceeded the mean generally, especially in England N.W. and the Midland Counties, but was rather less than the normal in Scotland N., Ireland S., and the Channel Islands, and only just equal to it in Scotland W.

Bright Sunshine was very deficient in all districts, excepting the Channel Islands. The percentage of the possible duration ranged from 55 in the last named district, and from 34 in England S.W., to 18 in the Midland Counties, 15 in England N.E., and to 12 in Scotland E.

Barometer and Wind.—During the whole of this period pressure was highest either to the northward or north-eastward of the British Islands, while various depressions, some from the westward or south-westward, and others from Germany encroached upon our western and south-western coasts, and then on the southern districts of England. South-Westerly to South-Easterly winds were mostly prevalent on the first two days, but during the remainder of the week breezes from between North and East were general. By the end of the period the northern anticyclone extended to Scotland, but a fresh fall of the barometer in the south pointed to the advance of another depression to the Spanish Peninsula.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 109 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head ⚓	52	35	47·0	39·3	42·9	− 1·5	18	8	4	0·30	− 0·10	*	*		*
	Stornoway ⚓	59	39	52·9	39·7	45·9	− 0·3	37	6	2	0·55	0·00	57·4	+16·1	51	+14
	Wick ⚓	57	40	50·9	42·6	46·5	+ 0·3	32	0	6	0·58	+ 0·16	*	*	*	*
	Lairg ⚓	66	31	53·7	37·3	45·0	− 1·2	41	13	3	0·46	− 0·03	*	*	*	*
	Glencarron ⚓	63	37	53·9	40·4	46·8	0·0	40	4	2	0·34	− 0·63	*	*	*	*
	Fort Augustus ⚓	61	35	52·9	40·1	46·1	− 2·6	37	5	3	0·23	− 0·27	25·5	− 2·4	23	− 4
	Fort William ⚓	64	40	54·8	42·0	48·0	− 1·0	42	0	4	0·29	− 0·51	27·1	− 10·6	24	− 11
1. SCOTLAND E.	Nairn ⚓	62	34	52·4	38·7	45·1	− 2·9	36	9	3	0·46	+ 0·11	*	*	*	*
	Aberdeen ⚓	58	36	50·4	40·9	45·4	− 1·6	28	3	3	0·22	− 0·22	13·6	− 27·4	12	− 25
	Braemar ⚓	59	32	50·0	35·3	42·2	− 2·3	30	19	5	0·70	+ 0·18	16·5†	− 21·4†	15†	− 20†
	Ochtertyre ⚓												*	*	*	*
	Leith ⚓	62	39	52·6	41·0	46·5	− 2·2	36	3	3	0·49	+ 0·17	*	*	*	*
	Marchmont ⚓	59	34	49·9	38·1	43·7	− 3·1	28	11	3	0·68	+ 0·16	13·8	− 24·7	13	− 24
2. ENGLAND, N.E.	Alnwick Castle	60	34	50·5	40·3	45·1	− 1·3	29	5	2	0·26	− 0·19	*	*	*	*
	Durham	58	32	51·0	39·1	44·7	− 2·8	31	8	3	0·57	+ 0·18	12·0	− 24·2	11	− 22
	Shields	58	36	50·3	41·3	45·5	− 1·4	27	2	3	0·65	+ 0·28	*	*	*	*
	Scarborough ⚓	60	38	53·3	42·5	47·7	− 0·2	40	0	2	0·45	+ 0·03	*	*	*	*
	Spurn Head	58	43	52·1	46·9	49·3	+ 1·3	51	0	2	0·86	+ 0·54	*	*	*	*
3. ENGLAND, E.	Hillington ⚓	70	31	57·1	40·7	48·4	− 1·0	50	4	4	1·05	+ 0·67	26·7	− 17·8	25	− 17
	Yarmouth	62	38	53·3	45·0	48·9	+ 0·3	48	0	3	0·67	+ 0·30	*	*	*	*
	Geldeston	69	32	57·1	42·3	49·3	+ 0·1	51	0	2	0·66	+ 0·31	28·1	− 18·9	27	− 18
	Cambridge	69	32	58·9	42·6	50·3	− 0·4	58	0	3	0·77	+ 0·37	26·7	− 16·3	25	− 15
	Felixstowe	61	35	54·2	45·1	49·4	− 0·3	52	0	2	0·48	?	27·5†	?	26†	?
	Rothamsted	66	31	56·9	42·1	49·1	− 0·4	50	0	4	0·34	− 0·14	23·8	− 18·0	22	− 17
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	62	32	55·7	38·3	46·5	− 4·0	47	10	3	0·92	+ 0·53	*	*	*	*
	Loughborough	63	32	55·3	41·6	48·0	− 2·8	44	1	5	1·28	+ 0·88	*	*	*	*
	Cheadle ⚓	61	36	52·9	41·7	47·0	− 1·3	36	1	5	1·30	+ 0·82	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	62	36	56·1	43·0	49·2	− 0·3	50	0	4	1·26	+ 0·74	20·2	?	19	?
	Churchstoke ⚓	61	34	56·1	39·7	47·4	− 0·8	47	6	4	1·35	+ 0·90	24·8	− 15·2	23	− 15
	Hereford (Belmont) ⚓	64	35	57·2	42·3	49·3	− 0·7	51	0	4	1·67	+ 1·26	*	*	*	*
	Cirencester	63	35	57·6	42·4	49·5	+ 0·5	53	0	4	0·79	+ 0·35	28·3	− 15·2	27	− 14
	Oxford	64	34	58·0	43·4	50·3	− 0·3	58	0	4	0·66	+ 0·29	21·0	− 20·9	20	− 20
5. ENGLAND, S.	London	70	38	60·0	46·0	52·6	+ 0·7	74	0	4	0·24	− 0·14	18·8†	− 19·4†	18†	− 18†
	Cranley ⚓												*	*	*	*
	Dungeness	67	40	57·0	45·9	51·1	+ 0·8	64	0	2	0·39	+ 0·08	26·7	?	25	?
	Hastings (St. Leonards)	71	40	58·1	45·2	51·3	+ 0·6	65	0	2	0·64	+ 0·30	30·8	− 19·4	29	− 19
	Southampton	64	40	59·3	45·6	52·0	+ 0·1	70	0	2	0·35	− 0·05	18·4	− 28·1	18	− 27
	Portland Bill	57	43	54·6	44·9	49·5	− 0·5	53	0	2	0·40	?	*	*	*	*
	Shaftesbury ⚓	64	40	56·4	43·0	49·3	− 0·2	51	0	4	0·67	+ 0·11	*	*	*	*
6 SCOTLAND, W.	Laudale (Loch Sunart) ⚓	64	40	55·9	43·9	49·5	+ 0·3	53	0	3	0·27	− 0·53	*	*	*	*
	Glasgow ⚓	63	37	54·1	41·8	47·6	− 0·8	40	1	4	0·62	+ 0·20	22·1	− 12·4	20	− 12
	Glenlee ⚓	67	37	56·4	40·9	48·2	0·0	48	3	5	0·61	+ 0·03	*	*	*	*
	Douglas (Isle of Man) ⚓	63	40	53·7	43·9	48·5	− 0·2	46	0	4	0·72	+ 0·29	31·8	− 16·0	29	− 16
7. ENGLAND, N.W.	Newton Reigny	64	35	53·9	39·3	46·2	− 0·7	41	8	5	0·63	?	21·0	?	19	?
	Stonyhurst	62	40	53·5	41·7	47·3	− 1·6	38	1	4	0·68	+ 0·18	23·0	− 17·0	21	− 17
	Blackpool ⚓	62	38	56·1	42·5	48·9	− 0·6	48	0	4	1·01	+ 0·63	25·1	− 15·0	23	− 16
	Manchester (Prestwich)	62	38	54·4	41·4	47·5	− 1·2	41	2	4	0·98	+ 0·53	16·8	?	16	?
	Liverpool Obsy. (Bidston)	62	39	54·6	43·1	48·5	− 2·0	46	0	4	1·07	+ 0·74	21·4	?	20	?
	Llandudno ⚓	61	43	55·8	45·7	50·5	0·0	60	0	4	1·00	+ 0·63	28·0	− 12·8	26	− 13
	Holyhead	57	44	53·4	45·0	49·0	− 0·9	49	0	4	0·73	+ 0·34	*	*	*	*
8. ENGLAND, S.W.	Llandovery	64	34	58·9	40·3	49·0	− 0·6	56	5	5	1·08	+ 0·54	*	*	*	*
	Pembroke	55	43	53·6	46·1	49·6	+ 0·4	53	0	4	0·34	− 0·04	35·1	− 12·9	33	− 12
	Clifton	60	44	56·7	46·1	51·1	+ 1·3	64	0	5	1·22	+ 0·74	*	*	*	*
	Arlington (N. Devon)	60	37	55·9	40·3	47·6	− 1·7	46	5	5	0·75	+ 0·20	*	*	*	*
	Cullompton ⚓	65	34	58·1	43·4	50·3	− 0·5	58	0	2	0·26	− 0·27	26·6	− 15·4	25	− 17
	Falmouth	58	43	56·2	45·7	50·6	− 0·3	60	0	3	0·37	− 0·26	34·6	− 14·4	33	− 14
	Plymouth	60	41	57·3	43·6	50·0	− 1·9	56	0	2	0·18	− 0·27	44·2	− 2·0	42	− 3
9. IRELAND, N.	Malin Head	58	43	52·3	45·6	48·8	+ 0·1	48	0	4	0·40	?	*	*	*	*
	Londonderry	65	41	59·7	45·0	51·9	+ 1·7	69	0	4	0·76	+ 0·32	*	*	*	*
	Edenfel (Omagh)	63	41	58·4	44·3	50·9	+ 2·7	62	0	5	0·83	+ 0·34	*	*	*	*
	Blacksod Point	58	41	56·4	45·7	50·7	+ 0·7	61	0	4	0·46	?	*	*	*	*
	Markree Castle	60	41	58·3	46·1	51·8	+ 3·2	69	0	4	0·26	− 0·24	32·2	− 7·8	30	− 8
	Armagh	60	42	56·3	43·9	49·7	+ 1·0	54	0	5	0·65	+ 0·15	27·4	− 10·9	25	− 11
	Donaghadee	57	39	52·3	43·4	47·6	− 1·0	39	0	5	0·83	+ 0·38	*	*	*	*
10. IRELAND, S.	Dublin	64	45	57·3	46·1	51·4	+ 0·7	66	0	4	0·54	+ 0·08	32·2	− 13·0	30	− 13
	Parsonstown	62	42	59·0	44·3	51·2	+ 1·5	64	0	4	0·67	+ 0·17	32·0	− 8·0	30	− 8
	Kilkenny	63	43	57·1	45·1	50·7	+ 0·7	61	0	3	0·80	+ 0·32	*	*	*	*
	Roche's Point	58	46	55·6	47·9	51·5	+ 0·2	67	0	3	0·55	− 0·15	*	*	*	*
	Valencia	62	44	57·6	47·1	52·0	+ 0·8	70	0	5	0·34	− 0·44	31·5	− 13·4	30	− 13
	Killarney	61	42	58·0	45·4	51·3	+ 0·7	65	0	5	0·34	?	*	*	*	*
	Foynes	62	39	59·8	44·6	51·7	+ 1·6	68	0	3	0·16	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	49	57·4	49·4	53·2	+ 2·1	78	0	1	0·27	− 0·10	40·7	?	39	?
	Jersey	66	42	61·0	46·9	53·5	+ 1·1	81	0	3	0·24	− 0·14	?71·0	?+18·0	?68	?+16

Stations marked ⚓ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

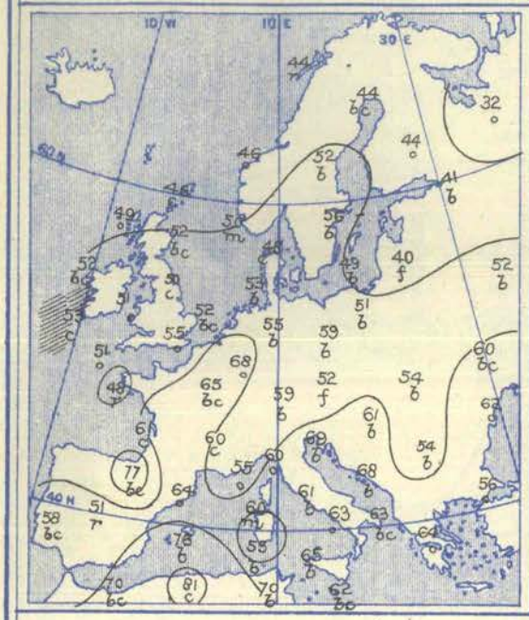
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

Note.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 6th May.

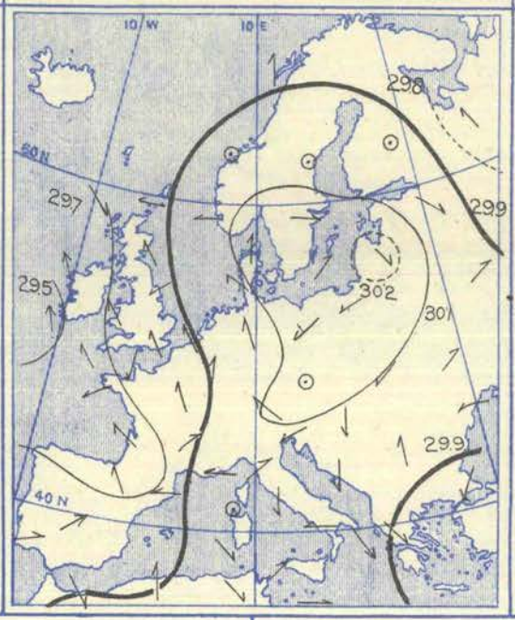
Temperature and Weather.

8 a.m.

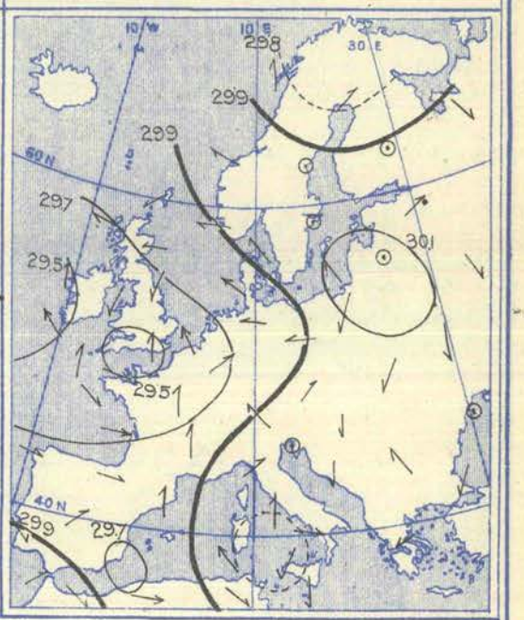


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning fine over the eastern half of the Continent; dull and changeable in the west; rain over the Bay of Biscay, the west of France and some parts of the British Islands; fine over Russia, central Europe and Italy, as well as over Sweden and the Baltic. Rain and hail showers in most parts of our Islands, as well as over France and the west of Norway.

Temperature was highest, 81° at Algiers, (1) 70° at Oran and La Calle, 68° at Lesina, 69° at Trieste; (2) 77° at Biarritz, 66° at Limoges, and above 60° in the south of Russia; 55° to 50° over the greater part of our Islands, 52° at Moscow. Rising later to a less height over our Islands than of late, to 84° at Paris, 73° at Lyons, and 63° at Lisbon. Touching 62° (locally) at Nairn.

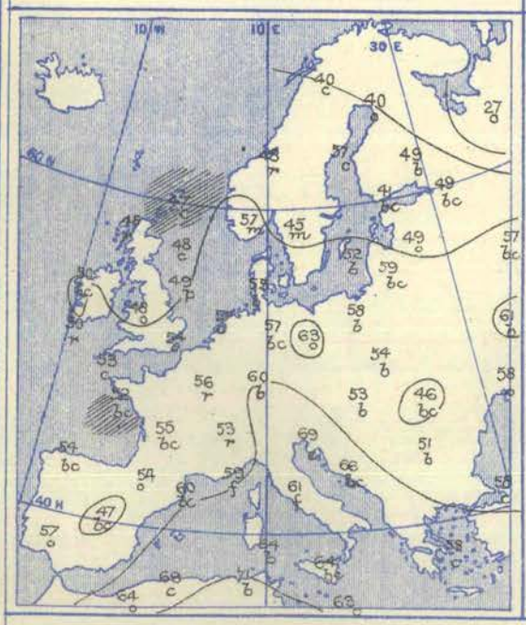
Wind (1) light and anticyclonic over eastern and central Europe; (2) exceedingly variable in the west, from South-East and South over our Islands, from North-West and North in Spain, and blowing gustily and in an unsettled manner. Considerable changes later—to North-East on our north-east coasts, to West in some parts of the Channel, and to North at Pembroke.

Barometer highest, 30·2 ins. to 30·0 ins. over western and southern Russia and central Europe. Lowest, (1) 29·6 ins. and less over the Bay of Biscay, and below 29·5 ins. off the west of Ireland; (2) below 29·8 ins. over part of the North Sea and north of Russia. Falling considerably in our Islands later; rising temporarily in the south-west of France. Conditions very unsettled in our Islands.

Monday, 7th May.

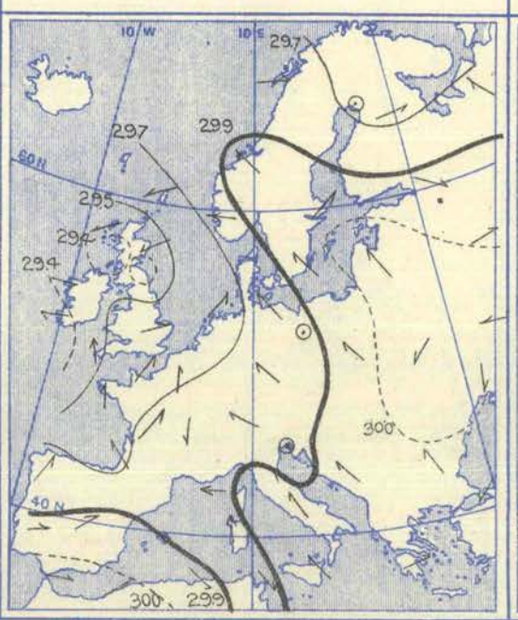
Temperature and Weather.

8 a.m.

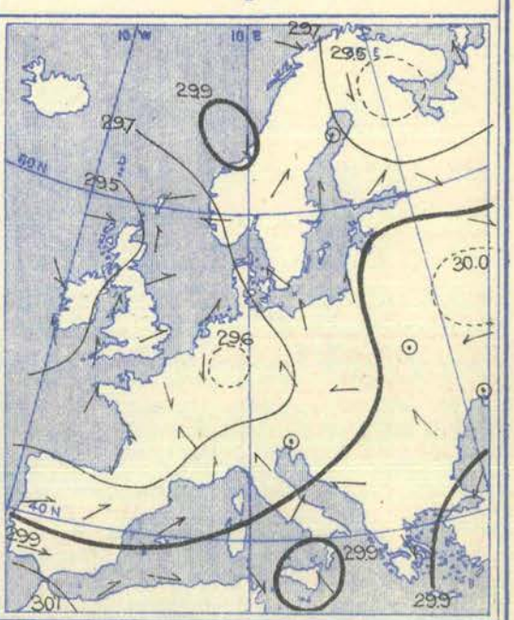


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over many parts of Central Europe, and, locally, in a few parts of Ireland, England, and the north-west of France, but not at all settled as a whole. A good deal of rain later in the north of Scotland, some in Ireland, a great deal in several parts of the Continent, and thunderstorms at Cuxhaven and some localities in the south-west of England. Solar halo at Oxford.

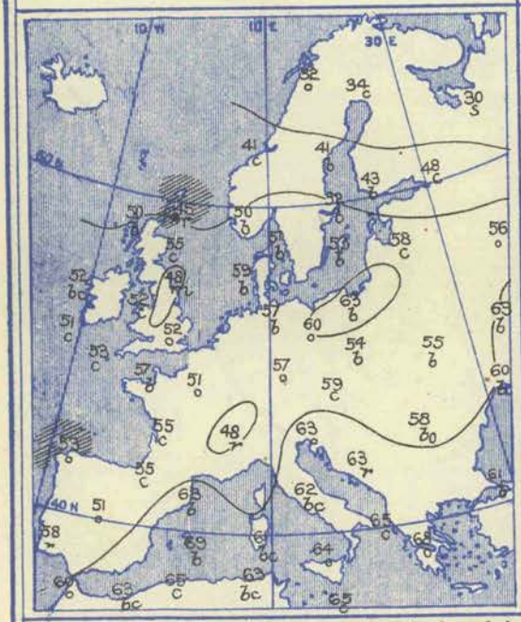
Temperature fallen over the United Kingdom; risen over Russia. Morning readings highest 69° at Algeirs and Trieste, 66° at Lesina, 64° at Palermo and Cagliari, and above 60° at several stations over central Europe and at Kieff; 55° to 50° at many of the stations in England and Ireland, 59° at Memel, 57° at Moscow. Lowest, 27° at Archangel, 40° in Lapland, 48° at Christiansund, Wick and Leith. Rising later to 60° or more at Parsonstown and several of the English stations, to between 70° and 80° over Germany, to 71° at Belfort and 70° at Perpignan.

Wind light and exceedingly variable. Mainly anticyclonic over the southern half of Russia, moderate Westerly and South-Westerly over the southern half, cyclonic and complex over north-western and northern Europe, but not strong anywhere—considerable local variations in North Britain. No decided change in character over our Islands later, but becoming cyclonic in Germany.

Barometer highest, 30·0 ins. and more (1) over Russia, the Baltic, the central parts of Scandinavia and over south-eastern Europe, (2) over Morocco, Algeria, and the southern half of Spain and the Mediterranean. Lowest, (1) 29.4 ins. and less in the south-west of Ireland, and in several parts of north Britain; (2) 29·7 ins. and less over Lapland and the Kola Peninsula Rising later over the British Islands, falling irregularly on the Continent.

Tuesday, 8th May.

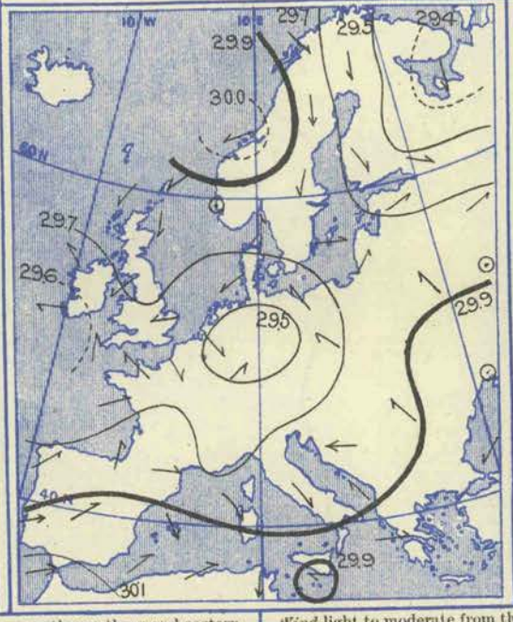
Temperature and Weather. 8 a.m.



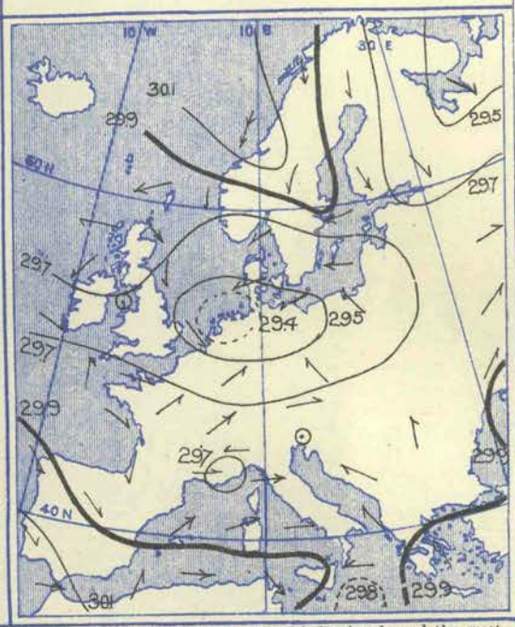
Weather fair or fine over the greater part of our Islands, and also over the northern and eastern parts of the Continent. Dull in most of the central and southern countries, with rain in several isolated places. Rain falling later over a considerable portion of western and central Europe, rather heavily over the Netherlands, western Germany and eastern and central England. Thunderstorms occurring at Parsonstown and Lyons, and thunder only at Blacksod Point.

Temperature fallen in the east of England and the western and northern parts of the Continent, risen elsewhere. Morning readings highest, 69° at Palma and 68° at Patras; above 60° at most of the Mediterranean and Adriatic stations, and also in the southern parts of Germany and Russia. Lowest, 30° at Archangel, 32° at Bodö, and 34° at Haparanda; lowest in our Islands 45° at Sumburgh Head and 46° at Loughborough. Rising during day to 60° or a little above in many parts of the United Kingdom and France; exceeding 70° in Germany and the southern parts of France, and reaching 82° at Berlin.

Barometer and Wind. 8 a.m.



6 p.m.

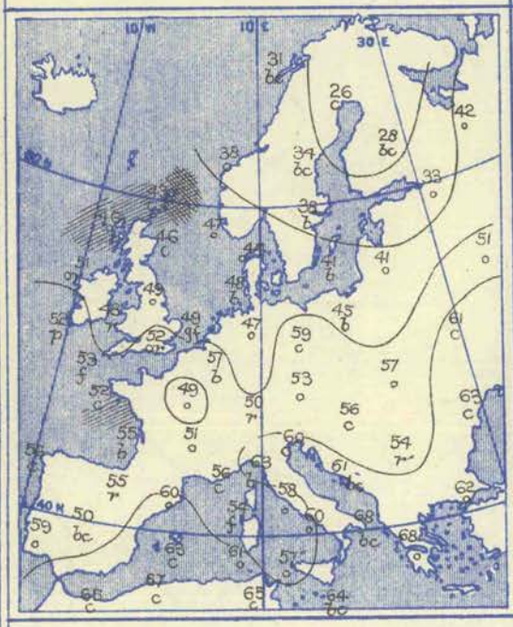


Wind light to moderate from the West or South-West over the Spanish Peninsula and the west of France, and from the East or South-East in the south and west of our Islands. Light from the Northward on the eastern coasts of Great Britain, and also over Sweden; calm in the south of Norway. Well-marked cyclonic circulation reported over all the more central parts of the Continent; variable in Italy. Subsequently becoming rather variable on our own extreme western coasts; shifting to the North-Westward or Northward in the west of France.

Barometer highest, 30·1 ins. and upwards in an anticyclone over Morocco; 30·0 ins. and upwards in another system off the west of Norway. Lowest, 29·4 ins. and less in a depression over northern Russia; 29·5 ins. and less in another disturbance over Germany. Latter disturbance subsequently moving slowly in a west-north-westerly direction; barometer falling briskly in the Netherlands and slightly over England.

Wednesday, 9th May.

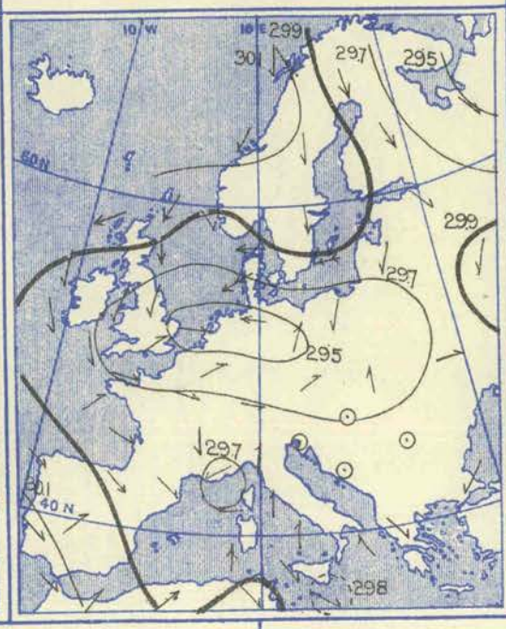
Temperature and Weather. 8 a.m.



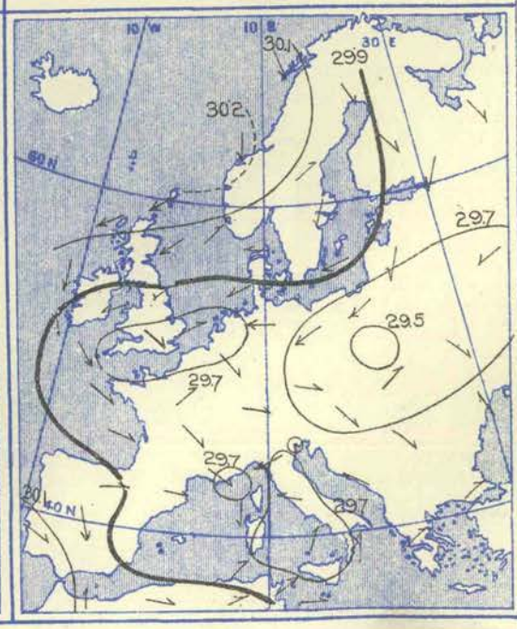
Weather in morning fine and bright over Scandinavia, Finland and the Baltic, dull over our Islands and the southern parts of the North Sea, with rain at several stations; very variable over France, dull over Germany. Heavy thunderstorm later at Biarritz, and rain in moderate to small quantities at several of the Irish and English stations. Dry over northern Europe.

Temperature fallen considerably over Scotland and the northern parts of the Continent. Morning readings highest, 67° at Algiers, 64° at Oran and Malta, 61° at Lesina and Kieff, 59° at Berlin and Cracow, 55° at Biarritz, 53° at Scilly, 52° in London and at Valencia (Ireland), 50° at Parsonstown. Lowest, 26° at Haparanda, 28° at Kuopio, 31° at Bodö, 33° at St. Petersburg; 44° to 46° over Scotland. Not touching 50° at the Scotch stations later, but rising to 56° at Parsonstown and in London, 58° at Jersey, 65° at Paris, 72° at Lorient.

Barometer and Wind. 8 a.m.



6 p.m.

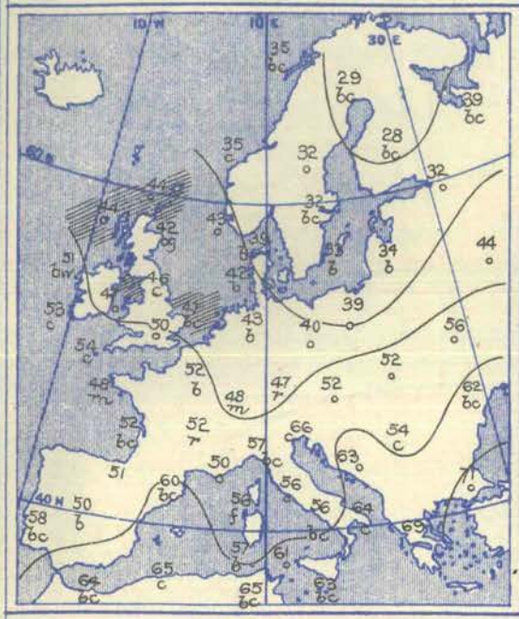


Wind North-Westerly fresh over Finland, Easterly fresh to a gale over the southern half of Scandinavia, North-Easterly to Northerly in our Islands, light to strong in force; but (2) Westerly over the southern parts of France and Germany. A small cyclonic circulation of Northerly winds found over the north of the Mediterranean; South-Westerly breezes in Africa.

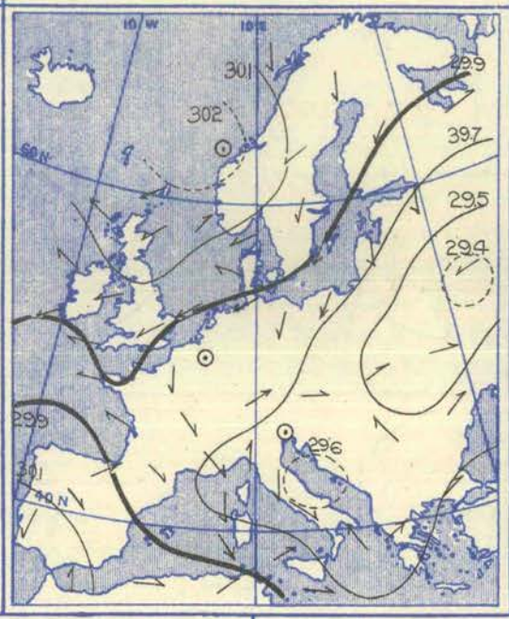
Barometer highest, 30·1 ins. and more to 29·9 ins. (1) over Scandinavia and (2) over the Iberian Peninsula; 29·9 ins. and more over central Russia. Lowest, (1) 29·5 ins. and less to 29·6 ins. in a depression over north Germany, the southern parts of the North Sea, and the east of England; (2) 29·7 ins. and less in a shallow system over the Riviera. German depression moving westwards later and beginning to fill up.

Thursday, 10th May.

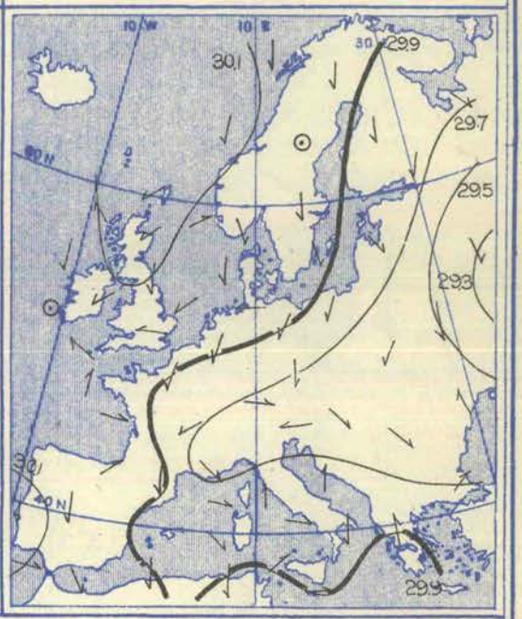
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Scandinavia and Denmark as well as over Ireland and in some parts of France; fair also over Spain, Algeria and many parts of the Mediterranean. Dull in the East and South of England with a little rain in places; dull, rainy and unsettled over central Europe and the south-east of France. A little rain sporadically in various parts of our Islands and Europe, but, as a whole, weather continuing dry.

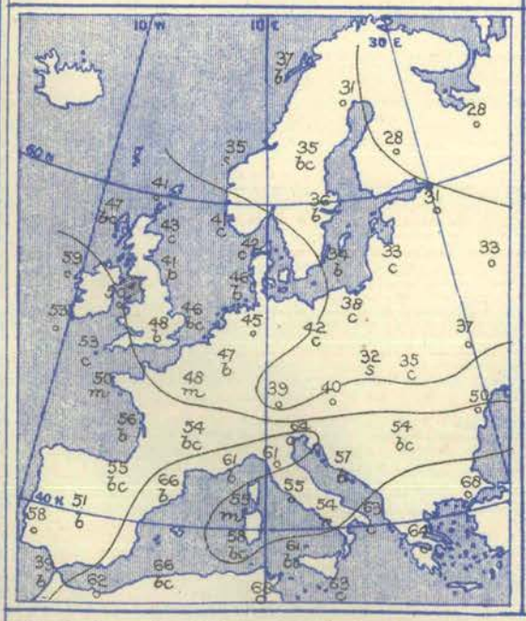
Temperature again fallen over England, and fallen considerably over Germany, Russia and the Baltic. Morning readings highest, 70° at Sfax, 69° at Athens, 66° at Trieste, 65° at Algiers; 56° to 62° over the south of Russia; 54° at Scilly, 53° at Valencia, 51° at Dungeness. Lowest, (1) 28° at Kupio, 29° at Haparanda, 34° at Riga; (2) 41° to 42° in the east of Scotland, 41° at Munster, 47° at Holyhead. Rising later to between 55° and 57° over parts of England and Ireland, to 63° at Jersey, 66° at Paris, and 72° at Rochefort. Not touching 50° in Scotland or at Fano.

Wind Northerly over Finland and Sweden, North-Easterly strong in north Germany, North-Easterly to Easterly over the British Islands; Northerly to Westerly over South Germany and North-Westerly to Westerly in many parts of southern Europe. Falling lighter over the British Islands later; hardly any other change reported.

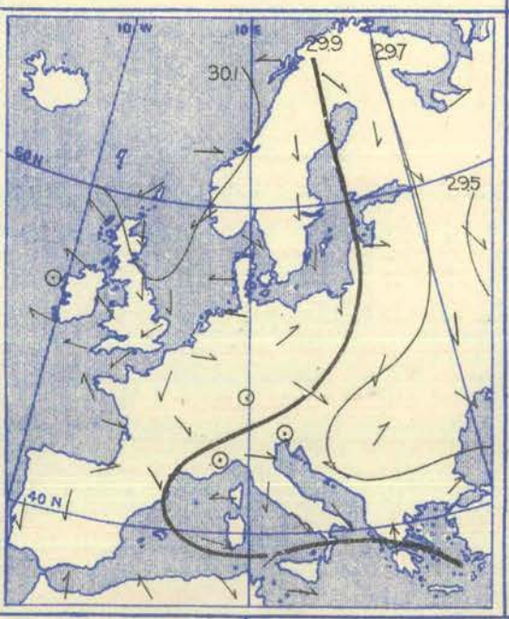
Barometer highest, (1) 30·22 ins. at Christiansund and exceeding 29·9 ins. over the whole of the British Islands and western Europe, (2) 30·23 ins. at Lisbon and exceeding 29·9 ins. over the whole of the Spanish Peninsula and the north of Africa. Lowest, 29·39 ins. at Moscow, and below 29·5 ins. over the central and south-western parts of Russia generally. Below 29·6 ins. in small depressions over Italy, and Turkey-in-Europe. Shallow secondaries also over the Riviera and western Germany. Rising a little over western Europe during day, but falling a little at Lisbon and in Ireland and Scotland.

Friday, 11th May.

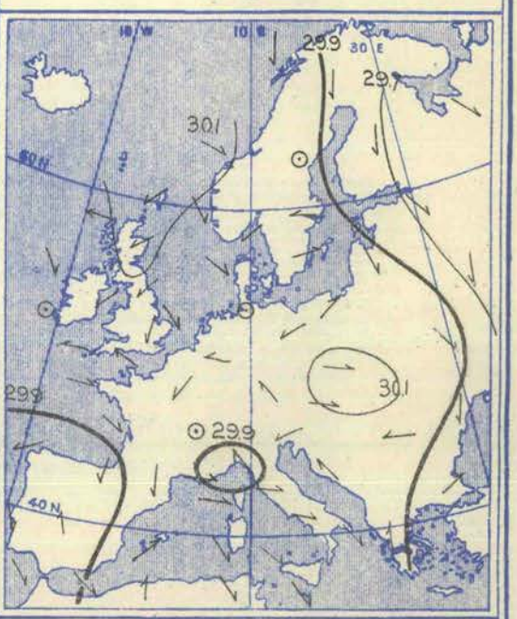
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning (1) fine over nearly the whole of western Europe, cloudy in many places, with very slight local showers at Shields; snow at Christiansund; (2) less settled over south-eastern and southern Europe, with rain at Odessa, snow at Prague. Some rain later in the north-west of our Islands, at Christiansund, and at Belfort, but in most other parts of north-western Europe conditions remaining fair as a whole.

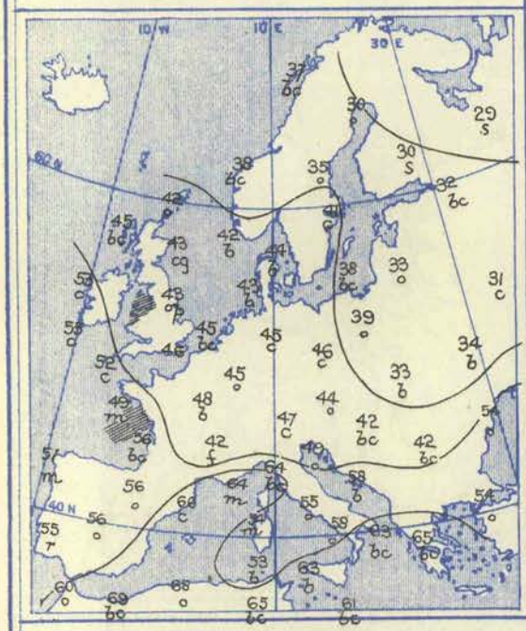
Temperature fallen over Russia, Germany and France. Morning readings highest, 66° at Algiers and Barcelona, 63° at Malta and Brindisi, 64° at Trieste, 61° over the Riviera, 56° at Rochefort, 53° in the west of Ireland, 52° at Dungeness. Lowest, (1) 28° to 33° over Finland, the north of Russia, (2) 32° to 39° over the northern parts of Austria-Hungary, (3) 40° at Loughborough, 41° at Shields; rising later to little above 60° in some of the southern parts of the United Kingdom, to 63° at Jersey and 62° at Paris, 70° at Rochefort and 74° at Perpignan, 77° at la Calle, 79° at Tunis, but not exceeding 52° at Berlin.

Wind light; its direction (1) mainly Northerly over Sweden, the Baltic and the eastern countries of Europe, (2) South-Easterly and Easterly in the northern and western parts of the British Isles, (3) exceedingly variable over southern and south-eastern Europe. No decided change reported later.

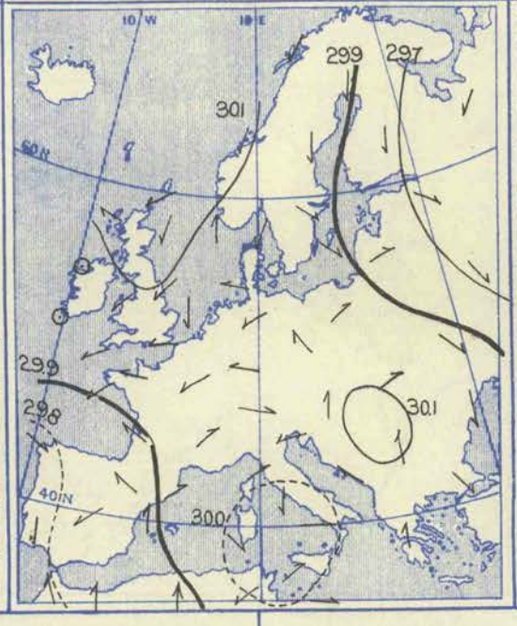
Barometer (1) 30·1 ins. and more over the west of Norway and east of Scotland, (2) 30·0 ins. and more over the Spanish Peninsula, Algeria and Tunis. Lowest, 29·5 ins. and less over central and south-eastern Russia, 29·8 ins. and less in secondary disturbances over Dalmatia and the Riviera, 29·9 ins. and less at Malta. Falling later at the Continental stations generally; hardly changing in our Islands.

Saturday, 12th May.

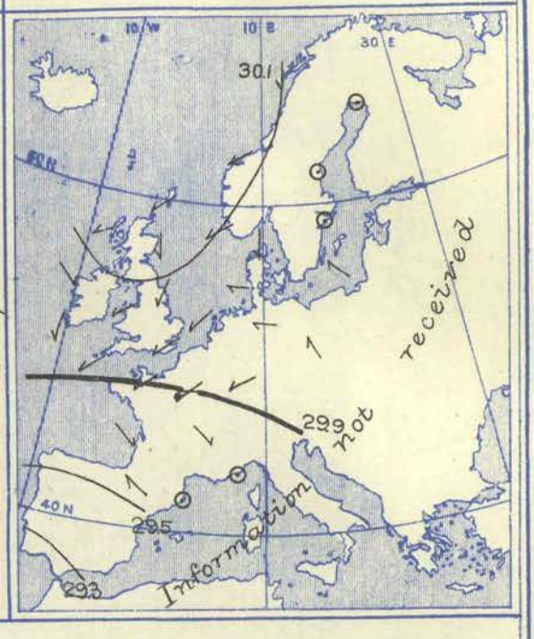
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over eastern Europe, some parts of Germany and France, as well as over Norway; dull and cloudy elsewhere and rather unsettled in the British Isles. Hail reported at Wick, slight rain in many parts of England. A little rain later in many parts of our Islands and slight sporadic falls in some parts of the Netherlands and France; a large fall at Lisbon.

Temperature remaining low over our Islands, falling in Russia, inclined to rise somewhat over central Europe, and below the average generally for the time of year. Morning readings highest, 68° to 60° on most of the various shores of the Mediterranean, 59° at Perpignan; 57° at Corunna, 56° at Rochefort, and rather above 50° on our extreme south-western coasts. Lowest, 29° to 30° over the extreme north of Europe, 31° at Moscow, 32° at St. Petersburg and Hangö, above 40° all over our Islands. Rising later to between 50° and 50° in many parts of our Islands and to 66° at Jersey, to 64° at Paris, 70° at Lorient, 73° at Perpignan.

Wind very light generally and (1) in direction Northerly over northern Europe, North-Westerly over Russia and the Baltic; (2) calm in the west of Ireland, Northerly to Easterly over the other parts of the British Isles; (3) anticyclone over Central and Southern Europe. Becoming more generally Northerly over the British Islands later, but remaining light.

Barometer highest, (1) 30·1 ins. and more to 30·0 ins. over central Europe; (2) 30·1 ins. and more to 30·0 ins. over the British Islands and (in a "ridge") over the north-east of France; (3) 30·0 ins. and more over the Mediterranean. Lowest, (1) below 29·8 ins. over Portugal and neighbouring parts of the Atlantic; (2) 29·7 ins. and less over the north and north-eastern parts of Russia. Rather low in the north and north-west of Germany. Rising later in Scotland, falling over Ireland, England and France.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

In the course of this week there has been a decided and important change in the weather over Europe. At 8 a.m. on Sunday, 6th, the barometer was highest (30·2 inches to 29·9 inches) over central and northern Europe, lowest (29·5 inches and less) over the Atlantic, and 29·6 inches and less in a secondary depression over the Bay of of Biscay. Temperature, though decreasing, was moderately high over France and south-eastern Europe, and the intermingling of South-Easterly, South-Westerly and North-Westerly winds over the western countries caused showery weather in those regions, and some thunder locally. During the succeeding 48 hours these disturbances passed away to the northward, and the barometer rose over the United Kingdom generally.

On Tuesday, however, the northern high pressure system was becoming the dominant factor in the weather systems over Europe, (though a second high pressure system was formed over Africa and Spain). A depression was formed over Germany, and moving eastwards involved the greater part of these Islands in cold North-Easterly winds and rain, and, with slight alterations, these conditions prevailed generally during the remainder of the week.

The depression just referred to reached the south and south-west of England, and then broke up, but other disturbances were formed over Russia and central Europe, which, although they did not actually advance to England, caused a continuance of the cold, inclement weather, and local showers which have since prevailed.

At the close of the week there were indications of further depressions advancing towards the south-west of Spain, where the second high pressure area had dispersed entirely, and the barometer was still falling.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 110.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	29·2	?	26	?	BRIGHTON	30·9	-16·4	29	-16
STRATHPEFFER SPA	32·0	- 6·3	29	- 6	WORTHING	34·1	?	32	?
EDINBURGH	7·8	-27·1	7	-25	BOGNOR	35·5*	?	34*	?
MORPETH	23·0	?	21	?	WATERGATE (Emsworth)	21·6	?	21	?
NEWCASTLE-ON-TYNE	15·9	?	15	?	WESTBOURNE (Emsworth)	28·2*	-21·6	27*	-20
OSWALDKIRK (Yorkshire)	14·2	-23·5	13	-21	VENTNOR HOSPITAL	33·7	?	32	?
YORK	14·0	-25·7	13	-24	SOUTHPORT	23·4	?	22	?
LOWESTOFT	27·1	?	26	?	RHYL	27·6*	?	26*	?
HOLLESLEY BAY	30·0	?	28	?	COLWYN BAY		?		?
SHEFFIELD	8·7	?	8	?	ABERDOVEY	26·6*	?	25*	?
WORKSOP	13·4	-23·1	13	-21	TENBY	34·5		33	
THURCASTON (Leicestershire)	20·4	-18·4	19	-18	NEWQUAY				
MARGATE	25·6	-16·5	24	-15	TORQUAY	38·2	- 8·3	36	- 9
EASTBOURNE					GUERNSEY	60·9*	+ 4·9	59*	+ 4

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 20.] *Third Series.* WEEK ENDING SATURDAY, MAY 19TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 116.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	31	53·8	38·6	45·7	2 below	40	− 2	10	+ 4	266	−37	638	+ 28
	1. SCOTLAND, EAST	67	32	55·4	38·6	46·5	2 below	46	− 6	10	+ 5	325	−63	697	+ 54
	2. ENGLAND, N.E.	65	33	51·8	39·5	45·3	3 below	34	−18	7	+ 4	323	−54	517	− 28
	3. ENGLAND, EAST	66	32	53·2	38·6	45·5	5 below	39	−27	10	+ 6	432	−60	530	− 81
	4. MIDLAND COUNTIES	70	29	54·7	36·6	45·1	6 below	44	−24	15	+11	431	−94	567	− 48
	5. ENGLAND, SOUTH	65	34	56·3	40·1	47·7	4 below	48	−25	5	+ 4	524*	−30	389	− 85
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	70	31	57·5	39·4	47·9	2 below	52	− 5	7	+ 4	371	− 49	506	+ 48
	7. ENGLAND, N.W.	61	28	53·2	39·2	45·8	5 below	38	−22	8	+ 5	361	− 71	452	− 3
	8. ENGLAND, S.W.	67	29	56·7	39·6	47·6	4 below	49	−16	7	+ 6	521	− 36	336	− 24
	9. IRELAND, NORTH	67	30	54·5	42·2	48·0	2 below	42	−17	0	− 2	409	− 87	415	+ 23
	10. IRELAND, SOUTH	70	33	57·9	41·9	49·4	2 below	52	−13	0	− 1	557	− 63	373	+ 76
	—CHANNEL ISLANDS	60	42	55·5	45·7	50·3	3 below	58	−14	0	0	759	+ 93	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 116.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	1	5 less	98	+ 5	17·8	− 0·3	40	+ 5	35	+ 4	413	+24	27	+ 2
	1. SCOTLAND, EAST	2	1	4 less	80	+ 6	11·7	+ 1·1	47	+ 7	42	+ 6	416	−32	27	− 2
	2. ENGLAND, N.E.	2	less than ½	4 less	72	+ 1	9·9	+ 1·5	41	− 1	36	− 1	401	−51	25	− 3
	3. ENGLAND, EAST	1	less than ½	4 less	72	+ 3	9·6	+ 1·8	50	+ 1	46	+ 1	535	− 3	32	0
	4. MIDLAND COUNTIES	0	—	5 less	70	+ 4	11·4	+ 2·3	42	+ 2	39	+ 2	425	−13	29	− 1
	5. ENGLAND, SOUTH	0	—	4 less	67*	+ 3	11·0*	+ 1·3	50	+ 2	47	+ 1	520	−22	32	− 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	0	—	7 less	83	+ 4	18·1	− 0·7	62	+20	56	+17	480	+19	31	+ 2
	7. ENGLAND, N.W.	0	less than ½	5 less	75	+ 3	12·7	+ 1·9	59	+17	53	+15	490	+31	31	+ 2
	8. ENGLAND, S.W.	0	—	5 less	79	+ 7	17·0	+ 3·0	72	+24	67	+22	565	− 4	36	0
	9. IRELAND, NORTH	0	—	5 less	89*	+ 5	12·6	+ 0·8	50	+ 9	45	+ 8	468*	+20	30	+ 1
	10. IRELAND, SOUTH	0	less than ½	6 less	79	+ 2	14·0	− 0·2	65	+21	59	+18	508	−16	32	− 1
	— CHANNEL ISLANDS	0	—	4 less	85	+ 7	14·9	+ 3·3	67	+ 6	63	+ 5	624	0	40	0

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was fine, cold, and dry generally, the only rain in the Kingdom being confined to the north-eastern and northern districts and some parts of Ireland, where slight falls occurred occasionally.

Temperature was below the mean, the deficit ranging from 2° over Ireland and Scotland to as much as 5° in England E. and N.W., and to 6° in the Midland Counties. The highest of the maxima were recorded either on the 16th or 17th, and ranged from 71° in Scotland N., and 70° in the Midland Counties, Scotland W., and Ireland S., to 61° in England N.W., and 60° in the Channel Islands. At the commencement of the week the daily maxima were very low ; at many stations in the N. and E. the thermometer failed to reach 50°. The lowest of the minima were registered on somewhat irregular dates. They were low generally, varying from 28° in England N.W., 29° in the Midland Counties and England S.W., and 30° in Ireland N., to 34° in England S., and 42° in the Channel Islands.

Rainfall was less than the mean in all districts. Over the greater part of the Kingdom rain was entirely absent.

Bright Sunshine exceeded the mean in all districts, except England N.E. The percentage of possible duration ranged from 67 in England S.W., 63 in the Channel Islands, 59 in Ireland S., and 56 in Scotland W., to 36 in England N.E., and 35 in Ireland N.

Barometer and Wind.—The distribution of pressure during this period was anticyclonic, the centre of the system being off our north-western or western coasts. No depression appeared in our immediate neighbourhood, but a rather important disturbance which approached the Bay of Biscay from the southward soon after the commencement of the week caused strong North-Easterly and Easterly winds and gales on our southern coasts, and late in the week a depression advancing south-westward over Scandinavia occasioned the Northerly wind to increase somewhat in force on our eastern coasts.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 115 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	51	31	47·4	37·3	42·0	− 3·2	15	13	6	0·34	− 0·07	*	*	*	*
	Stornoway	57	36	51·6	39·7	45·3	− 1·8	33	6	4	0·10	− 0·48	27·7	−14·1	24	−12
	Wick	58	35	52·1	42·0	46·7	− 0·5	33	0	5	0·19	− 0·21	*	*	*	*
	Lairg Ⓢ	71	31	57·4	35·0	45·5	− 1·7	54	20	3	0·06	− 0·44	*	*	*	*
	Glencarron Ⓢ	64	32	52·9	37·6	44·8	− 3·2	38	12	3	0·30	− 0·76	*	*	*	*
	Fort Augustus Ⓢ	68	33	57·7	38·9	47·7	− 1·8	53	9	1	0·01	− 0·46	44·9	+16·9	39	+13
	Fort William Ⓢ	67	35	57·6	39·8	48·2	− 1·7	53	6	1	0·01	− 0·79	49·2	+11·0	43	+ 9
1. SCOTLAND E.	Nairn	67	36	56·4	39·4	47·4	− 1·8	49	7	1	0·02	− 0·36	*	*	*	*
	Aberdeen	65	34	55·7	39·9	47·3	− 1·2	46	6	4	0·15	− 0·31	46·3	+ 3·7	41	+ 3
	Braemar Ⓢ	65	32	52·8	35·2	43·5	− 2·7	39	19	3	0·04	− 0·46	44·2†	+ 4·4†	39†	+ 3†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	67	38	58·0	40·6	48·8	− 1·3	53	4	0	—	− 0·38	*	*	*	*
	Marchmont Ⓢ	65	34	53·9	38·0	45·5	− 2·6	41	11	2	0·11	− 0·45	49·8	+ 8·9	44	+ 7
2. ENGLAND, N.E.	Alnwick Castle	61	35	54·6	39·1	46·4	− 1·3	43	8	1	0·03	− 0·47	*	*	*	*
	Durham	65	33	53·8	36·1	44·4	− 4·7	42	17	2	0·04	− 0·42	41·1	+ 2·3	37	+ 3
	Shields	59	37	50·9	39·9	45·1	− 3·2	31	6	2	0·04	− 0·35	*	*	*	*
	Scarborough Ⓜ	61	38	49·9	39·5	44·4	− 4·8	27	7	4	0·10	− 0·35	*	-	*	*
	Spurn Head	54	41	49·9	42·9	46·2	− 3·1	29	0	0	—	− 0·37	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	65	35	53·1	38·4	45·3	− 5·4	38	10	1	0·03	− 0·40	50·8	+ 4·0	46	+ 3
	Yarmouth	52	36	50·6	40·7	45·3	− 4·7	29	4	3	0·08	− 0·34	*	*	*	*
	Geldeston	58	32	52·0	37·4	44·3	− 6·1	35	13	2	0·08	− 0·32	46·5	− 3·5	43	− 4
	Cambridge	66	33	56·9	37·2	46·5	− 5·5	52	13	0	—	− 0·43	48·7	+ 4·3	45	+ 4
	Felixstowe	54	36	52·3	39·7	45·6	− 5·0	35	6	1	0·05	?	50·6†	?	46†	?
	Rothamsted	64	34	54·5	38·3	45·9	− 4·9	43	10	1	0·01	− 0·47	43·3	− 0·7	40	− 1
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	70	30	56·3	34·4	44·7	− 7·0	51	21	1	0·01	− 0·45	*	*	*	*
	Loughborough	69	29	54·7	36·4	45·0	− 7·3	45	16	0	—	− 0·47	*	*	*	*
	Cheadle Ⓜ	57	34	51·1	36·4	43·3	− 6·2	33	16	0	—	− 0·53	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	61	35	52·7	38·0	44·9	− 6·2	37	11	0	—	− 0·53	40·2	?	37	?
	Churchstoke Ⓜ	63	32	54·6	35·4	44·4	− 5·1	45	18	0	—	− 0·50	48·0	+ 6·1	44	+ 5
	Hereford (Belmont) Ⓜ	66	31	56·3	36·8	46·0	− 5·5	50	15	0	—	− 0·48	*	*	*	*
	Cirencester	64	32	55·7	37·4	46·0	− 4·4	47	13	0	—	− 0·49	35·4	+10·4	51	+ 9
	Oxford	67	34	56·0	38·3	46·6	− 5·1	48	10	0	—	− 0·42	40·5	− 3.1	37	− 4
5. ENGLAND, S.	London	64	37	57·0	40·4	48·2	− 5·1	50	4	0	—	− 0·40	39·2†	− 1·0†	36†	− 2†
	Cranley Ⓜ	64	34	58·4	39·2	48·2	− 4·3	55	8	0	—	− 0·40	*	*	*	*
	Dungeness	55	37	53·7	42·1	47·6	− 4·0	39	0	0	—	− 0·37	44·6	?	41	?
	Hastings (St. Leonards)	56	38	53·9	41·0	47·1	− 4·6	40	3	0	—	− 0·38	46·4	− 6·4	43	− 7
	Southampton	65	37	59·6	40·5	49·5	− 3·5	59	4	0	—	− 0·42	58·3	+ 9 8	54	+ 8
	Portland Bill	60	36	56·1	39·4	47·3	− 4·0	48	7	0	—	?	*	*	*	*
	Shaftesbury Ⓜ	63	34	55·3	37·8	46·0	− 4·6	46	12	0	—	− 0·48	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	61	34	55·2	40·3	47·3	− 2·7	44	5	1	0·01	− 0·84	*	*	*	*
	Glasgow	70	36	58·9	41·3	49·6	+ 0·1	56	2	0	—	− 0·56	55·3	+19·9	49	+17
	Glenlee Ⓢ	67	31	59·9	34·8	46·6	− 2·7	62	20	0	—	− 0·70	*	*	*	*
	Douglas (Isle of Man)	63	37	56·1	41·1	48·2	− 1·5	47	3	0	—	− 0·50	68·9	+19·9	62	+17
7. ENGLAND, N.W.	Newton Reigny	61	28	55·0	35·3	44·6	− 3·7	46	19	0	—	?	48·5	?	43	?
	Stonyhurst	60	33	53·8	38·2	45·5	− 4·5	40	11	1	0·05	− 0·56	57·2	+15·1	52	+13
	Blackpool Ⓜ	61	31	54·3	37·2	45·2	− 5·3	43	13	0	—	− 0·45	54·8	+12·4	49	+10
	Manchester (Prestwich)	61	34	53·5	37·2	44·9	− 5·2	40	13	1	0·03	− 0·51	52·6	?	47	?
	Liverpool Obsy. (Bidston)	57	35	52·9	40·9	46·5	− 4·9	36	3	0	--	− 0·40	53·3	?	48	?
	Llandudno Ⓜ	57	40	53·1	43·5	48·0	− 3·5	42	0	0	—	− 0·40	65·6	+23·5	60	+21
	Holyhead	53	40	50·0	42·1	45·9	− 5·1	27	0	0	—	− 0·42	*	*	*	*
8. ENGLAND, S.W.	Llandovery	67	29	59·3	33·1	45·4	− 5·9	61	25	0	—	− 0·62	*	*	*	*
	Pembroke	60	40	53·6	43·3	48·1	− 2·2	43	0	0	—	− 0·42	66·0	+17·2	61	+16
	Clifton	64	38	57·1	40·3	48·2	− 3·1	51	5	0	—	− 0·52	*	*	*	*
	Arlington (N. Devon)	61	35	55·9	38·1	46·5	− 3·8	48	11	0	—	− 0·64	*	*	*	*
	Cullompton Ⓜ	65	32	58·6	37·4	47·4	− 4·8	57	13	0	—	− 0·48	61·3	+17·3	57	+15
	Falmouth	58	40	54·3	42·9	48·3	− 3·4	44	0	0	—	− 0·56	79·1	+28·4	74	+26
	Plymouth	63	39	58·1	41·8	49·5	− 3·8	53	1	0	—	− 0·45	76·6	+29·3	72	+27
9. IRELAND, N.	Malin Head	53	42	50·7	44·9	47·6	− 2·1	39	0	0	—	?	*	*	*	*
	Londonderry	65	38	55·9	42·4	48·8	− 2·4	48	0	0	—	− 0·52	*	*	*	*
	Edenfel (Omagh)	67	34	56·1	40·7	47·9	− 0·9	47	4	1	0·02	− 0·52	*	*	*	*
	Blacksod Point	56	44	53·4	46·0	49·5	− 1·2	53	0	0	—	?	*	*	*	*
	Markree Castle	62	30	55·8	41·4	48·2	− 1·1	46	2	0	—	− 0·55	54·5	+13·3	49	+12
	Armagh	65	34	57·2	38·6	47·3	− 2·4	51	10	0	—	− 0·48	44·6	+ 4·9	40	+ 4
	Donaghadee	55	38	52·1	41·4	46·4	− 3·7	33	2	0	—	− 0·50	*	*	*	*
10. IRELAND, S.	Dublin	62	39	56·7	43·6	49·8	− 1·9	55	0	0	—	− 0·48	60·6	+14·2	55	+12
	Parsonstown	63	35	57·7	39·7	48·2	− 2·6	53	6	0	—	− 0·55	56·5	+16·0	51	+14
	Kilkenny	65	38	57·7	40·9	48·8	− 2·4	52	3	0	—	− 0·48	*	*	*	*
	Roche's Point	63	40	56·7	44·7	50·3	− 2·1	58	0	1	0·15	− 0·55	*	*	*	*
	Valencia	63	41	57·7	43·9	50·4	− 1·9	59	0	0	—	− 0·69	76·3	+30·3	70	+27
	Killarney	63	33	58·6	37·1	47·2	− 4·6	57	14	0	—	?	*	*	*	*
	Foynes	70	40	60·2	43·1	51·1	+ 0·3	64	0	0	—	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	57	42	54·6	45·7	49·9	− 2·3	55	0	0	—	− 0·38	76·1	?	71	?
	Jersey	60	43	56·4	45·7	50·7	− 2·6	61	0	0	—	− 0·42	?66·4	?+11·4	?63	?+10

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society

* An Asterisk is inserted in all places for which the information is not usually received.

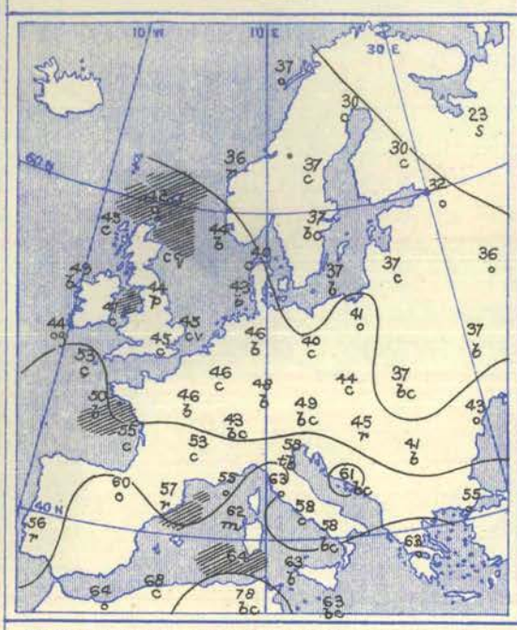
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 13th May.

Temperature and Weather.

8 a.m.

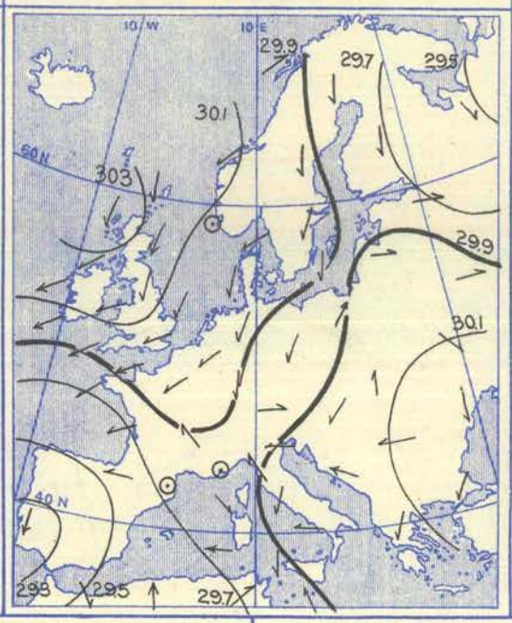


Weather in morning very changeable in our Islands, fine in places but mostly cloudy and unsettled with local showers. Fine in many parts of Scandinavia and Denmark and also over central France and southern Italy; cloudy in most other parts of the Continent, with rain in several isolated places, snow at Archangel and a thunderstorm at Trieste. Considerable quantities of rain falling during day in the west and south of France and in northern Italy—as much as 1·2 ins. at Rochefort.

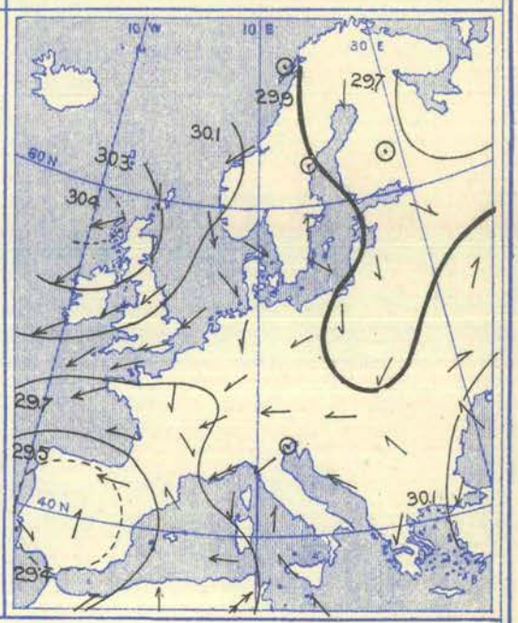
Temperature changed very irregularly. Morning readings highest, 78° at La Calle, 68° at Algiers and 66° at Tunis and Sfax; above 60° at most of the Mediterranean and Adriatic stations. Lowest, 23° at Archangel and 30° at Haparanda, Kuopio and Hangö, below 45° in several parts of the United Kingdom. Daily maxima below 50° in all but the extreme southern and south-western parts of our Islands; thermometer exceeding 60° at many of the French stations and exceeding 70° in Italy and the extreme south of France, the highest reading of all being 86° at Palermo.

Barometer and Wind.

8 a.m.



6 p.m



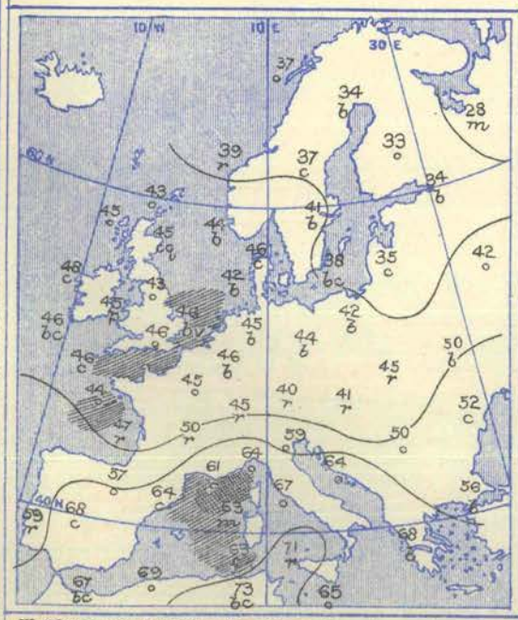
Wind light to fresh from the Northward in the northern and eastern parts of the United Kingdom but from the North-Eastward or Eastward on our western and southern coasts and also over France and the Netherlands. Variable in the west of Norway; Northerly over Sweden, Denmark and the northern parts of Russia and Germany; variable over Austria and the southern parts of Germany and Italy; South-Easterly over northern Italy. No important change occurring during day.

Barometer highest, 30·3 ins. and upwards in the north of Russia; 30·1 ins. and upwards in an anticyclone covering all the more northern parts of our Islands and the North Sea as well as in another system over Turkey and the south of Russia. Lowest, 29·3 ins. and less in a depression off the Portuguese coast; 29·6 ins. and less in another disturbance over the north of Russia. Portuguese depression subsequently advancing north-eastwards over Spain, and barometer falling rather decidedly in France.

Monday, 14th May.

Temperature and Weather.

8 a.m.

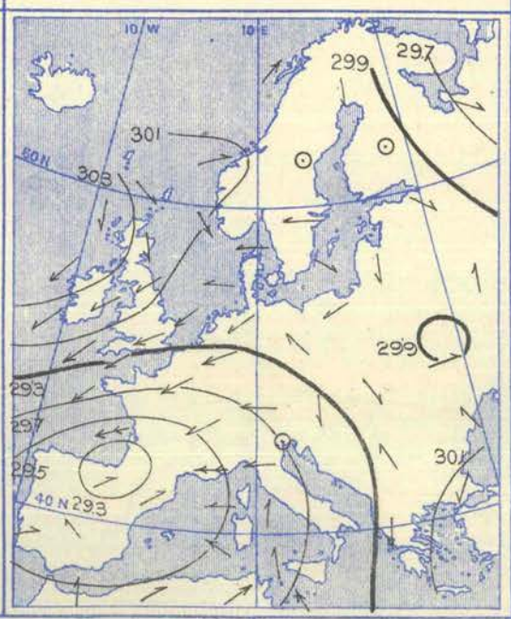


Weather in morning fair or fine over north-western and northern Europe generally, but showery at Wick and Holyhead and dull in the west of Norway, with rain at Christiansund. Cloudy or dull over the central and southern parts of the Continent, with rain at many of the French stations, as well as over south Germany and the neighbouring parts of Austria. Rain falling later over the west and south of France generally, and also over Austria and northern Italy—heavily (2·4 ins.) at Nice.

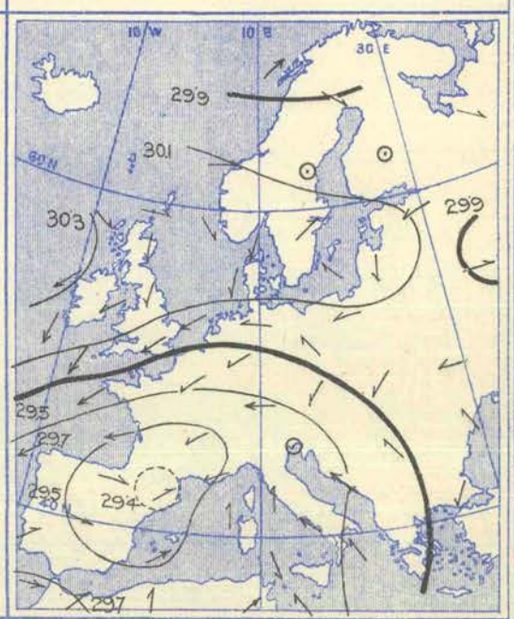
Temperature fallen in France and south Germany; changed little and irregularly elsewhere. Morning readings highest, 73° at La Calle, 71° at Palermo, and 70° at Sfax; above 60° in most parts of southern Europe. Lowest, 28° at Archangel, 33° at Kuopio, and 34° at Haparanda; below 40° over the northern parts of Russia and Scandinavia generally. Daily maxima below 50° in the north-west of our Islands, and below 55° in most other parts of the Kingdom; thermometer exceeding 70° in many parts of southern Europe, and reaching 79° at Brindisi. Ground frost occurring over the inland parts of England at night.

Barometer and Wind.

8 a.m.



6 p.m.

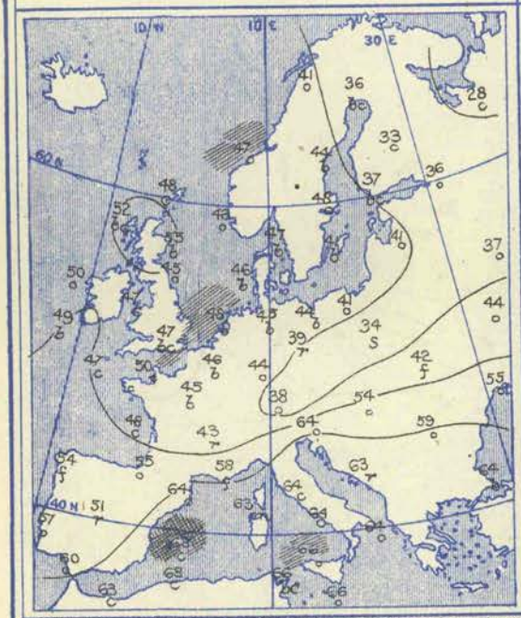


Wind Northerly in Scotland; North-Easterly over England, Ireland, France, Germany, and the Netherlands, and strong to a gale in force over the Channel and Bay of Biscay, as well as at Nice. Moderate from the Westward or South-Westward in the west of Norway; variable in Sweden, Russia and Austria; Southerly or South-Easterly over the central and southern parts of Italy, and also over Spain. No important change occurring during day.

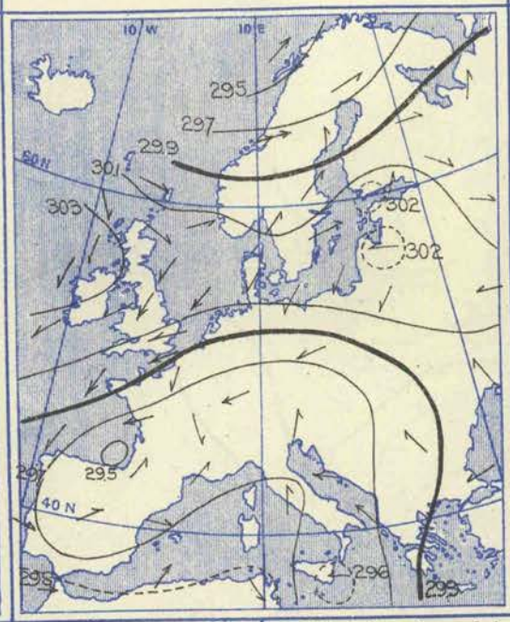
Barometer highest, 30·3 ins. to 30·1 ins. in an anticyclone lying over all but the extreme southern parts of our Islands, and also over the western and northern parts of the North Sea; 30·1 ins. and upwards in another high-pressure system over Asia Minor. Lowest, 29·3 ins. and less in a well-marked depression with its centre over the south-west of France; 29·7 ins. and less in another disturbance over the extreme north of Russia. Both depressions subsequently moving south-eastwards, the progress of the French system being, however, extremely slow.

Tuesday, 15th May.

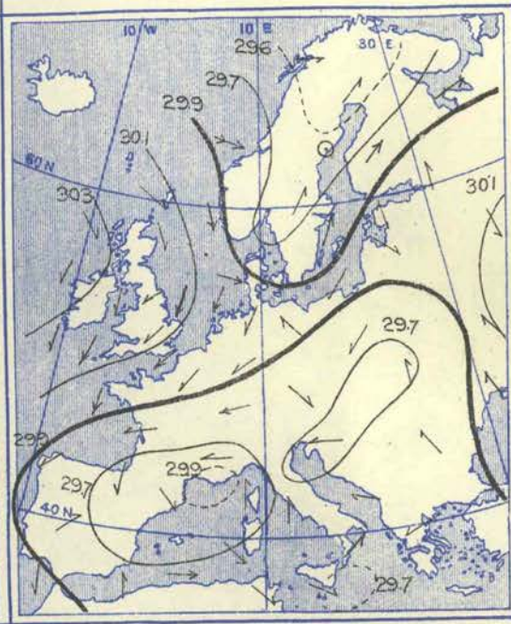
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western and northern Europe generally, but dull at some of our own north-eastern stations and also in the west of Norway; showers reported at Oxford. Dull and unsettled in most of the eastern, central and southern countries, with rain in many parts of Germany and also at Lyons and Madrid, and snow at Warsaw. Slight rain falling later over the north of Scandinavia, as well as in many parts of southern and eastern Europe.

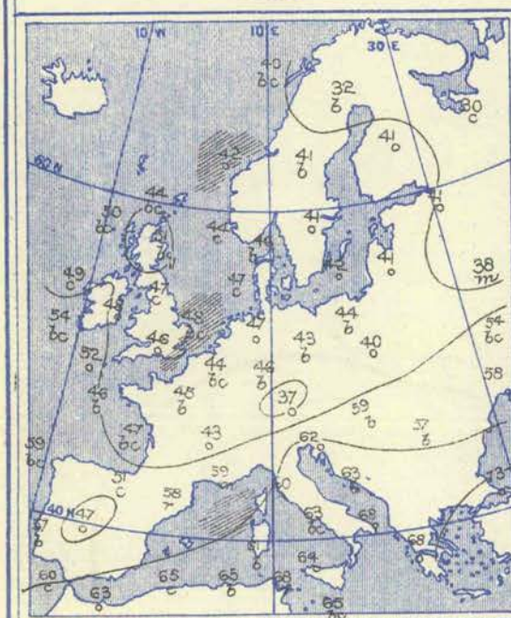
Temperature fallen in Germany, France and Spain, risen in most other countries. Morning readings highest, 68° at Palma and Algiers, and 66° at Palermo, Malta and Tunis; above 60° at the Mediterranean and Adriatic stations generally. Lowest, 28° at Archangel, 33° at Kuopio, and 34° at Warsaw; below 40° in many parts of Germany and the east of France. Daily maxima below 60° at all the English and Irish stations, but thermometer exceeding that point in the east of Scotland and reaching 67° at Leith; exceeding 70° in many parts of southern Europe and reaching 81° at Brindisi. Ground frost occurring over the inland parts of England at night.

Wind North-Easterly over Ireland, England, the Netherlands, Germany and the greater part of France, moderate to fresh in force generally but strong in the Straits of Dover. Light from West or North-West in Scotland; South-Westerly over Scandinavia and northern Russia and strong in force in the west of Norway, with a gale at Christiansund. Westerly over the Spanish Peninsula, calm in the extreme south of France, variable in Italy and Austria. Southerly or South-Easterly in the south of Russia. No decided change occurring during day.

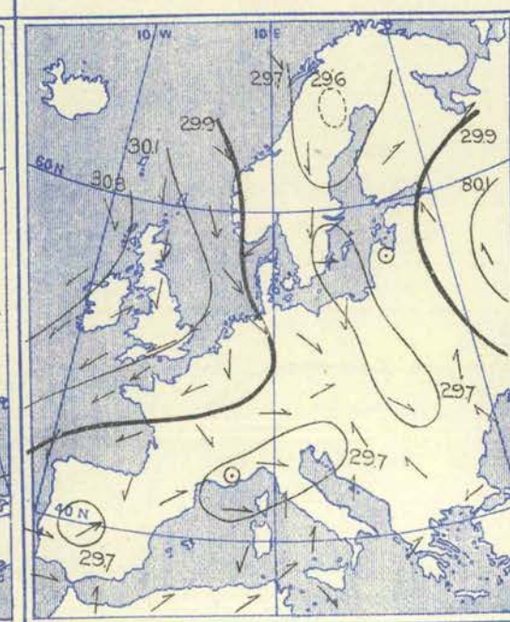
Barometer highest, 30·3 ins. and upwards in the west and north of Ireland, 30·1 ins. and upwards in an anticyclone covering the whole of our Islands, the North Sea, Denmark, the Baltic, the south of Sweden and western Russia. Lowest, 29·5 ins. and less in a depression off the north-west of Norway; 29·6 ins. and less in a shallow area over northern Italy, the south of France and the neighbouring parts of Austria and Spain. Northern depression subsequently moving eastwards, and barometer rising again in the west of Norway.

Wednesday, 16th May.

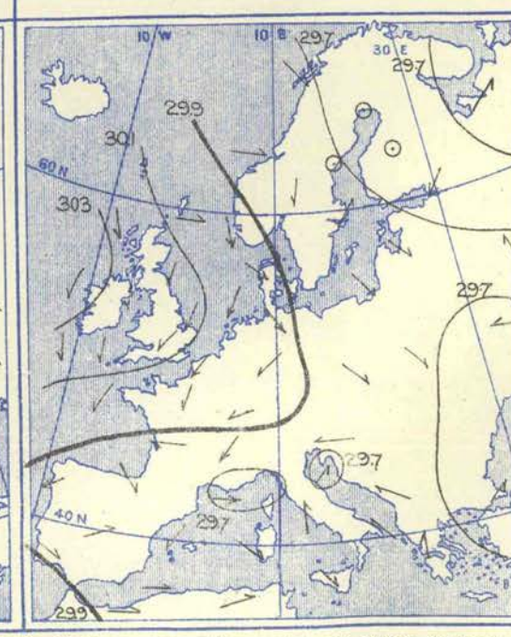
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western and central Europe generally, but dull in the south-east of England. Dull in most of the eastern and southern countries with rain at Vienna and Barcelona; fine over the central parts of Italy and the Adriatic. Slight rain falling later in the extreme north of Scotland, and larger quantities in the west of Norway as well as at Munich and in Spain and northern Italy (as much as 1·4 ins. at Turin).

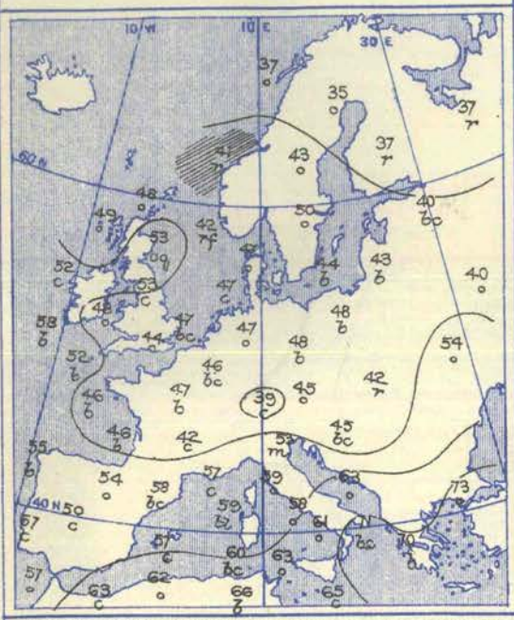
Temperature risen a little over England and Ireland, fallen in Scotland, changed irregularly elsewhere. Morning readings highest, 73° at Constantinople and 68° at Brindisi, Athens, Patras, and Tunis, above 60° at most of the Mediterranean and Adriatic stations. Lowest, (1) 30° at Archangel, 32° at Haparanda and 37° at Hangö; (2) 37° at Breslau and Munich; lowest in our Islands, 44° at Sumburgh Head. Rising during day to 60° and upwards in several parts of Ireland and Scotland and to 67° at Nairn, but not exceeding 50° on the east coast of England. Exceeding 70° in many parts of southern Europe and reaching 81° at Palermo. Ground frost occurring over central England at night.

Wind light to moderate from the North over the northern parts of our Islands, but North Easterly at all our more southern and at most of the French stations, fresh or strong in force on the east coast of England. Northerly or North-Westerly over the greater part of Scandinavia, Denmark and Germany, and strong in force in Denmark and the south of Sweden. South-Easterly or Southerly in Russia, Austria and Italy. Westerly over the Spanish Peninsula and the extreme south of France. No important change occurring during the day.

Barometer highest, 30·3 ins. and upwards on our extreme north-west coasts, 30·1 ins. and upwards in an anticyclone covering the whole of our Islands and the western parts of the North Sea, and also in another system over central Russia. Lowest, 29·6 ins. and less in a shallow depression over the north of Sweden, 29·7 ins. and less in three other shallow systems lying respectively over the Baltic and western Russia, over northern Italy and over central Spain. No important change occurring later.

Thursday, 17th May.

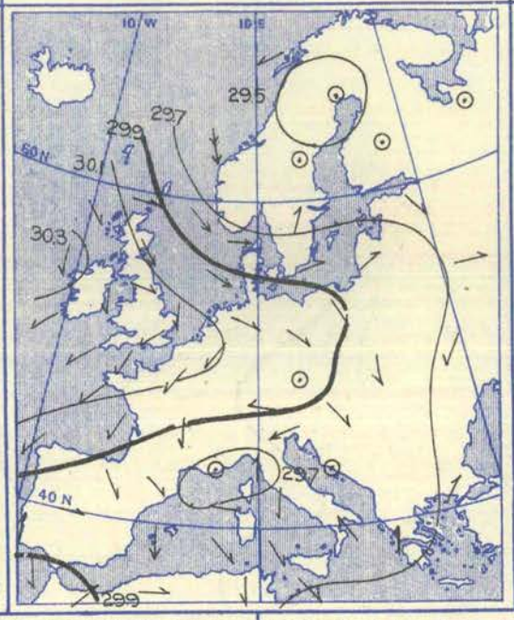
Temperature and Weather. 8 a.m.



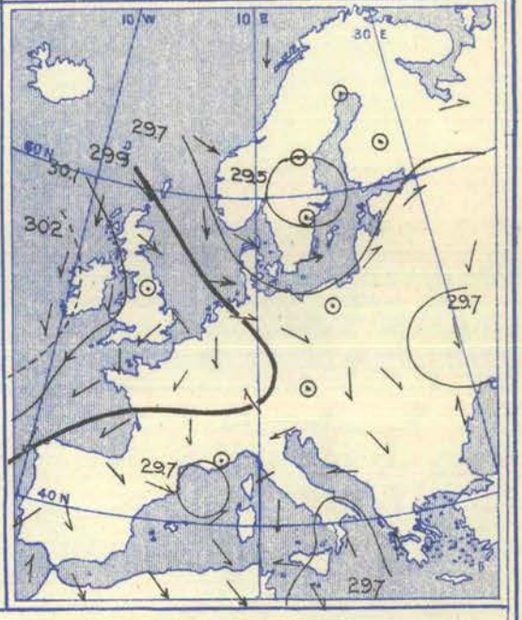
Weather in morning fine over the greater part of the United Kingdom, but dull in the extreme south-east of England, as well as in the north-west of England and the north of Scotland. Fine over France, Belgium and central Europe generally, but dull in the northern, and also in the southern parts of the Continent; rain falling in the west of Norway and in several parts of northern Russia, as well as at Lemberg, Turin, Bilbao, and Barcelona; thunderstorm reported at Sanguinaire. A little rain falling later in the north of Scotland, and considerable quantities over Italy and Austria.

Temperature risen in Germany; changed little and irregularly elsewhere. Morning readings highest, 73° at Constantinople, 71° at Brindisi, and 70° at Athens; above 60° at several of the Mediterranean and Adriatic stations. Lowest, 35° at Haparanda, and 37° at Bodö, Archangel, Kuopio, Hangö and Helsingfors; lowest in our Islands, 44° in London. Rising during day to 60° and upwards in several parts of Great Britain, France and Germany, and also in the south of Ireland; reaching 68° at Perpignan and 69° at Loughborough; exceeding 70° at some of the Mediterranean stations.

Barometer and Wind. 8 a.m.



6 p.m.

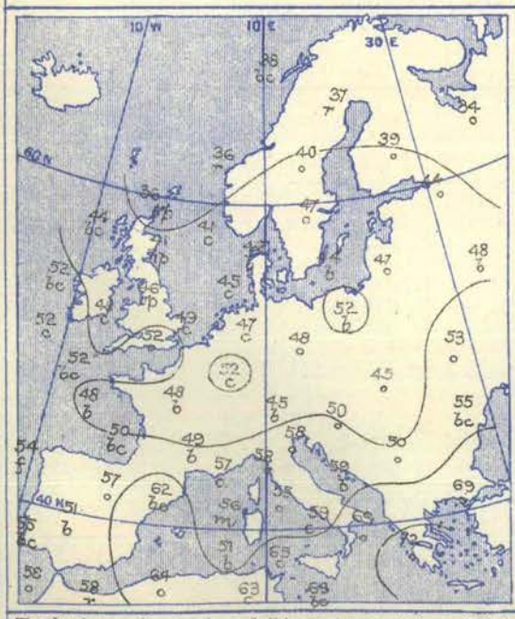


Wind moderate to fresh from the Westward or North-Westward in the northern parts of the United Kingdom, and strong from the same quarters on the Norwegian and Danish coasts, with a gale at Christiansund; moderate from South-West in the south of Sweden. Light to fresh from the North-Eastward over the southern parts of our Islands, and also over France, Belgium and western Germany; Westerly or North-Westerly in Spain; variable in Italy. Light from the North-Westward or Northward over eastern Germany and Austria. No important change occurring during day.

Barometer highest, 30·3 ins. and upwards in the west of Ireland; 30·1 ins. and upwards in an anticyclone lying over nearly the whole of the United Kingdom. Lowest, 29·5 ins. and less in a shallow depression over the north of Sweden; 29·7 ins. and less in two other shallow systems lying respectively over the Gulf of Genoa and over the northern part of the Adriatic. Anticyclone subsequently moving very slowly westwards; Swedish depression travelling southwards.

Friday, 18th May.

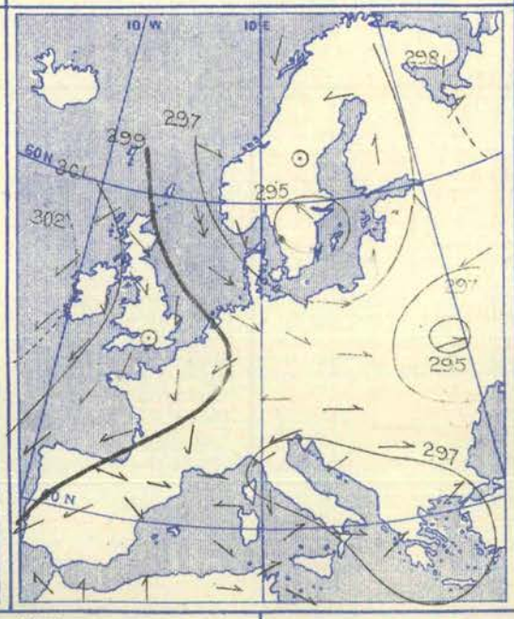
Temperature and Weather. 8 a.m.



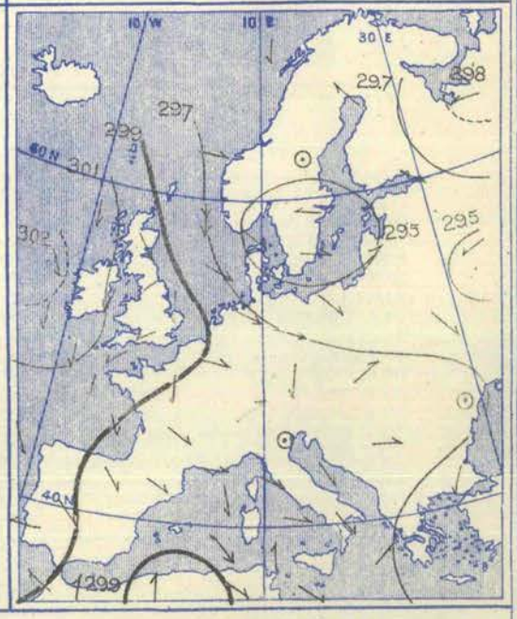
Weather in morning cloudy or dull in most parts of Great Britain with showers at several of our northern and north-eastern stations,—of snow or hail in the north of Scotland. Fine over the Baltic and also over Spain, France, and south Germany; cloudy or dull in other parts of the Continent, with rain at several of the northern stations in Russia, and Scandinavia and also at Pesaro. A little rain falling later at most of our own northern and eastern stations; solar halos seen in the southern parts of England and Wales.

Temperature fallen in the northern parts of our Islands and also in Denmark and Italy, changed irregularly elsewhere. Morning readings highest, 72° at Patras, 71° at Athens and 69° at Brindisi and Constantinople, above 60° at many of the Mediterranean stations. Lowest, 34° at Archangel and Uleaborg, 36° at Christiansund and Sumburgh Head, and 37° at Haparanda. Daily maxima below 50° on most parts of our own northern and eastern coasts, thermometer touching 60° at Jersey and Portland Bill, and 63° at Roche's Point; exceeding 65° over France and southern Europe and reaching 70° or more at some of the Mediterranean stations.

Barometer and Wind. 8 a.m.



6 p.m.

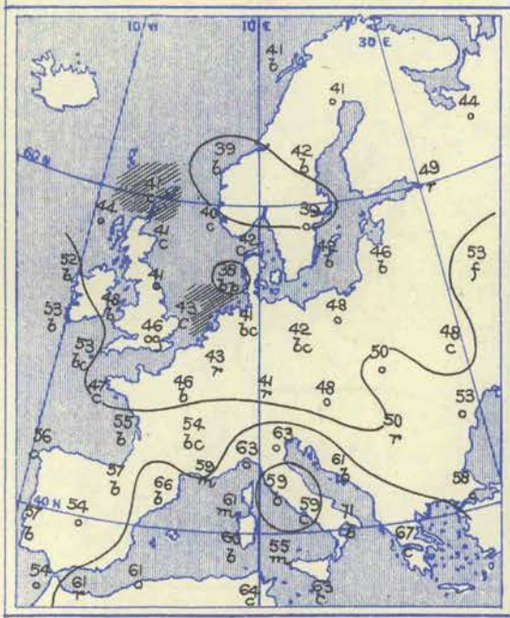


Wind Northerly or North-Westerly over all the more northern parts of the United Kingdom; strong from the North-Westward over the eastern shores of the North Sea with a gale at Skudesnaes, Westerly over northern Germany and the Baltic; South-Easterly over northern Russia; Easterly or North-Easterly in Sweden. Light from the North-Eastward over the Spanish Peninsula, northern Italy and the greater part of France, but Westerly in the extreme south of France, and also over southern Italy and Austria. No important change occurring during day.

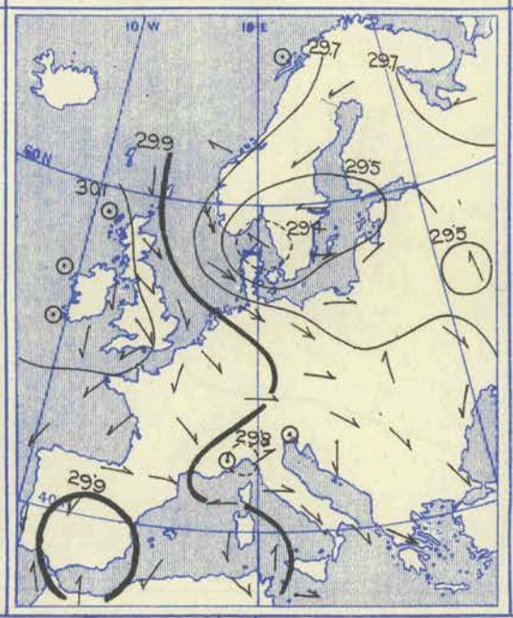
Barometer highest, 30·2 ins. and upwards in the west of Ireland; 30·0 ins. and upwards in an anticyclone lying over the whole of the United Kingdom. Lowest, 29·5 ins. and less in two depressions, one lying over the south of Sweden, the other over the south of Russia; 29·7 ins. and less in a large shallow area over Italy and Greece. Swedish depression subsequently moving slowly westwards; shallow secondary disturbances passing southwards down the North Sea.

Saturday, 19th May.

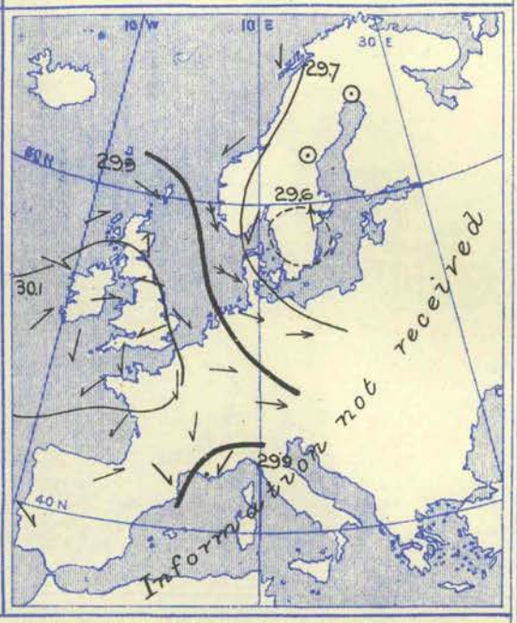
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western and southern Europe as a whole, but dull over central England and also in the north of Scotland, cloudy or dull in most of the eastern and central countries, with rain in several places, hail showers at Fanö and snow at Karlstad. Slight rain falling later in the north of Scotland, and also in Scandinavia, Denmark and Germany; thunderstorm occurring at Nice in the afternoon.

Temperature fallen in our Islands, Denmark, Germany and the south of Scandinavia; risen elsewhere. Morning readings highest, 71° at Brindisi, 67° at Athens and Patras, and 65° at Palermo; above 60° at most of the Mediterranean and Adriatic stations. Lowest, 36° at Karlstad, 37° at Faerder and Hangö, and 38° at Fanö; lowest in our Islands 40° at Nairn. Rising during day to 60° or slightly above it in several isolated parts of the United Kingdom; exceeding 65° in the west and south of France, and reaching 70° at Rochefort and 78° at Perpignan. Ground frost occurring over central England at night

Wind light to moderate from the Northward (North-East to North-West) over the greater part of our Islands and France, but Westerly in the extreme south of France. Light from the Eastward over Sweden and northern Russia; strong from the North-Westward on the eastern shores of the North Sea with a gale at Skudesnaes; light to moderate from the same quarter over Germany, Austria and Italy. Subsequently backing to the South-Westward or Southward in many parts of Ireland and Scotland; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards over central Ireland; 30·0 ins. and upwards in an anticyclone lying over the whole of our Islands, Belgium and the north of France. Lowest, 29·4 ins. and less in a well-marked depression over the south of Sweden with its centre near Gothenberg. Depression filling up quickly during day, but new disturbances beginning to approach our own extreme west and north-west coasts in evening.

GENERAL NOTES

At the beginning of this week an anticyclone lay over all the more northern parts of our Islands, while a second high pressure system existed over south-eastern Europe, the barometer being lowest (29·3 ins. and less) in a rather deep depression lying off the Portuguese coasts, but also low (29·6 ins. and less) in another disturbance over northern Russia. The former depression now advanced in an east-north-easterly direction to the south of France, and occasioned a very decided increase in the strength of the North-East wind over France and our own southern coasts, with a gale in the English Channel on the 14th. Heavy rain fell on the 13th and 14th over the south of France and northern Italy, but in our Islands the weather remained dry, with low day temperature and frosts inland at night.

After the 14th the depression over France gradually filled up, but a fresh series of disturbances advanced over northern Europe from the westward, and as a result of this the anticyclone over our Islands was forced slowly to the westward, while the wind backed to the Northward. Rain fell in most of the northern countries, and small quantities were experienced also over the north of Scotland, but in other parts of the United Kingdom the weather remained very dry, with rising day temperatures, but with a continuance of cold nights and ground frosts over the inland parts of England. At the close of the week the anticyclone in the west was moving southwards, and the barometer was falling on our own west and north coasts, with light Southerly and South-Westerly winds and a less settled appearance in the weather.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 116.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	34·0	?	29	?	BRIGHTON	60·6	+12·3	56	+11
STRATHPEFFER SPA	46·3	+ 7·2	40	+ 6	WORTHING	56·1	?	52	?
EDINBURGH	49·1	+12·6	43	+10	BOGNOR	53·0*	?	49*	?
MORPETH	47·0	?	42	?	WATERGATE (Emsworth)	45·3	?	42	?
NEWCASTLE-ON-TYNE	40·2	?	36	?	WESTBOURNE (Emsworth)	41·3*	- 9·6	38*	-10
OSWALDKIRK (Yorkshire)	39·9	+ 0·9	36	+ 1	VENTNOR HOSPITAL	58·6	?	54	?
YORK	34·5	- 7·4	31	- 7	SOUTHPORT	57·2	?	52	?
LOWESTOFT	51·0	?	47	?	RHYL	57·9*	?	53*	?
HOLLESLEY BAY	58·8	?	54	?	COLWYN BAY	59·2	?	54	?
SHEFFIELD	35·1	?	32	?	ABERDOVEY	79·0*	?	72*	?
WORKSOP	33·3	- 5·3	30	- 5	TENBY	73·0	+23·8	67	+21
THURCASTON (Leicestershire)					NEWQUAY	74·1	+27·0	69	+24
MARGATE	51·5	+ 7·7	48	+ 7	TORQUAY	74·9	+26·5	70	+24
EASTBOURNE	49·9	- 0·2	46	- 1	GUERNSEY	59·7*	+ 0·9	56*	0

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending May 17th, 1900	Glencarron	49	13	42·8	32·3	37·4	- 0·4	2	33	6	1·95	+ 0·49	—	—	—	—
" " " " "	Jersey	—	—	—	—	—	—	—	—	—	—	—	37·2	+ 3·8	46	+ 4
" " " " "	Strathpeffer Spa	—	—	—	—	—	—	—	—	—	—	—	29·1	+ 4·9	36	+ 4
" " " " "	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	21·9	- 7·1	27	-10
" " " 24th, "	Cranley	50	29	44·8	35·4	40·0	- 2·8	8	24	4	0·44	+ 0·10	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No 21.] *Third Series.* WEEK ENDING SATURDAY, MAY 26TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 122.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	33	54·8	41·9	47·9	1 below	42	− 5	0	− 4	308	− 42	638	+ 24
	1. SCOTLAND, EAST	65	32	57·7	42·8	49·8	0 (average)	55	− 3	0	− 3	379*	− 67	697	+ 51
	2. ENGLAND, N.E.	65	38	59·3	45·2	51·8	2 above	69	+10	0	− 2	392	− 44	517	− 30
	3. ENGLAND, EAST	70	31	60·9	44·1	52·0	0 (average)	70	− 3	0	− 3	502	− 63	550	− 84
	4. MIDLAND COUNTIES	67	31	60·4	43·3	51·8	1 below	65	−10	0	− 2	496	−104	567	− 50
	5. ENGLAND, SOUTH	67	38	58·7	46·4	52·2	1 below	71	− 9	0	− 1	595	− 39	389	− 86
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	62	38	56·4	45·4	50·6	0 (average)	60	− 4	0	− 2	431	− 53	506	+ 46
	7. ENGLAND, N.W.	64	36	57·8	45·0	51·0	1 below	63	− 4	0	− 2	424	− 75	452	− 5
	8. ENGLAND, S.W.	67	29	58·3	44·6	51·0	2 below	63	−11	0	− 1	584	− 47	336	− 25
	9. IRELAND, NORTH	62	34	56·5	44·2	50·0	1 below	56	− 9	0	− 1	465	− 96	415	+ 22
	10. IRELAND, SOUTH	67	37	58·0	45·9	51·6	1 below	67	− 5	0	− 1	624	− 68	373	+ 75
	—CHANNEL ISLANDS	64	40	59·6	49·0	54·0	0 (average)	84	+ 4	0	0	843	+ 97	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 122.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	11	5 more	104	+ 7	18·9	+ 0·2	26	−15	22	−13	439	+10	26	0
	1. SCOTLAND, EAST	5	4	1 less	85	+ 8	12·1	+ 1·0	35	− 6	30	− 6	451	−38	27	− 2
	2. ENGLAND, N.E.	3	3	2 less	75	+ 1	10·2	+ 1·4	28	−14	25	−13	429	−64	25	− 4
	3. ENGLAND, EAST	4	5	0 (average)	76	+ 4	10·1	+ 1·8	43	− 6	39	− 6	578	− 9	33	0
	4. MIDLAND COUNTIES	4	5	0 (average)	74	+ 5	11·9	+ 2·3	35	− 6	32	− 6	460	−19	29	− 1
	5. ENGLAND, SOUTH	4	6	1 more	71	+ 4	11·6	+ 1·5	42	− 9	38	− 9	562	−31	32	− 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	15	7 more	88	+ 6	19·6	+ 0·1	38	− 5	34	− 5	518	+13	31	+ 1
	7. ENGLAND, N.W.	3	5	0 (average)	78	+ 3	13·2	+ 1·9	47	+ 2	41	+ 1	537	+33	32	+ 2
	8. ENGLAND, S.W.	4	9	4 more	83	+ 8	17·9	+ 3·3	51	+ 2	47	+ 2	616	− 2	36	0
	9. IRELAND, NORTH	6	10	4 more	95	+ 8	13·6	+ 1·2	29	−13	26	−11	497	+ 7	30	+ 1
	10. IRELAND, SOUTH	6	13	7 more	85	+ 4	15·3	+ 0·4	33	−12	29	−12	541	−28	32	− 2
	— CHANNEL ISLANDS	4	6	2 more	89	+ 7	15·5	+ 3·5	53	− 2	49	− 2	677	− 1	41	0

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties. England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was generally of a changeable character, with considerable rain in the north and west, and slighter falls in the south and east, mostly during the middle of the week. Thunder and lightning were experienced in different parts of the Kingdom on the 23rd and 24th.

Temperature did not vary much from the mean, the greatest difference being in England N.E., where it was 2° above, and in England S.W., where it was 2° below. The highest of the maxima occurred on the 20th at most of the English stations, but later in the week in most parts of Ireland and Scotland; they ranged from 70° in England E. to 64° in the Channel Islands and England N.W., and to 62° in Scotland W. and Ireland N. The lowest of the minima, which were also recorded at the commencement of the week, varied from 29° in England S.W. (at Llandovery), 31° in England E. and the Midland Counties, and 32° in Scotland E. to 40° in the Channel Islands.

Rainfall was considerably more than the mean over Ireland, in Scotland N. and W., and in England S.W., and slightly more in England S. and the Channel Islands; elsewhere, however, it was just equal to or rather less than the normal.

Bright Sunshine was deficient in almost all districts. The percentage of the possible duration ranged from 49 in the Channel Islands and 47 in England S.W., to between 34 and 22 in Scotland, and to between 29 and 26 in Ireland.

Barometer and Wind.—At the commencement of the week an anticyclone extended Northward from the Continent to all our more southern districts, while a small depression was shown near the Shetlands. By the 21st, however, the anticyclone had receded Eastwards, and depressions began to approach our western and northern coasts, and to spread Eastwards over England. The wind, which was at first Westerly and moderate, consequently backed to the Southward and increased in force. During Thursday a cyclonic system, in the form of a complex "V-shaped" disturbance, passed Eastwards directly over the Kingdom. This was followed by a high pressure "ridge" with Northerly and North-Westerly winds; but by the end of the week, these again had given place to a Southerly current in the west and north, which was extending towards all parts of the Kingdom.

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This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 121 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	52	33	49·6	40·6	44·8	− 1·3	25	4	6	0·75	+ 0·30	*	*	*	*
	Stornoway	57	40	54·7	41·9	47·9	− 0·2	42	0	7	1·31	+ 0·69	31·7	−10·1	27	− 9
	Wick	57	41	53·4	44·9	48·9	+ 0·7	48	0	5	1·17	+ 0·79	*	*	*	*
	Lairg (S)	63	35	58·2	39·4	48·2	− 0·1	54	7	7	1·08	+ 0·58	*	*	*	*
	Glencarron (S)	61	38	54·8	41·8	47·9	− 1·4	42	1	6	0·90	− 0·28	*	*	*	*
	Fort Augustus (S)	66	35	56·8	41·9	48·9	− 1·2	49	0	7	0·53	+ 0·11	17·2	−11·0	15	−10
	Fort William (S)	60	35	55·9	42·6	48·9	− 2·1	48	0	6	1·95	+ 1·16	14·4	−24·4	12	−21
1. SCOTLAND E.	Nairn	60	32	57·9	40·9	48·9	− 1·5	53	3	5	0·46	+ 0·03	*	*	*	*
	Aberdeen	60	41	56·4	43·3	49·5	− 0·2	53	0	4	0·35	− 0·13	39·0	− 5·0	33	− 5
	Braemar (S)	59	37	54·3	40·9	47·2	− 0·3	41	3	6	0·84	+ 0·36	26·2†	−15·1†	22†	−14†
	Ochtertyre (S)												*	*	*	*
	Leith	64	42	61·4	45·7	53·1	+ 1·5	78	0	5	0·24	− 0·21	*	*	*	*
	Marchmont (S)	65	41	58·6	43·4	50·5	+ 1·1	60	0	4	0·31	− 0·29	39·0	− 3·1	34	− 3
2. ENGLAND, N.E.	Alnwick Castle	64	38	60·4	44·2	51·8	+ 2·5	69	0	2	0·19	− 0·35	*	*	*	*
	Durham	62	40	58·9	44·0	51·0	+ 0·4	63	0	4	0.35	− 0·17	28·0	−11·8	25	−10
	Shields	62	39	58·1	45·0	51·2	+ 1·5	64	0	3	0·27	− 0·15	*	*	*	*
	Scarborough (M)	65	41	60·5	45·1	52·3	+ 1·7	72	0	4	0·14	− 0·36	*	*	*	*
	Spurn Head	61	43	58·4	47·9	52·8	+ 2·1	76	0	4	0·30	− 0·12	*	*	*	*
3. ENGLAND, E.	Hillington (M)	70	31	62·9	42·4	52·0	− 0·3	70	0	4	0·42	− 0·08	40·6	− 7·3	36	− 7
	Yarmouth	64	38	58·6	46·0	51·9	+ 0·4	69	0	4	0·59	+ 0·12	*	*	*	*
	Geldeston	68	31	61·5	43·4	51·9	− 0·2	69	0	4	0·61	+ 0·16	46·1	− 5·1	42	− 5
	Cambridge	68	33	63·0	43·1	52·5	− 1·0	74	0	5	0·33	− 0·16	39·8	− 5·7	36	− 5
	Felixstowe	66	43	59·2	46·6	52·5	+ 0·5	74	0	4	0·29	?	42·2†	?	38†	?
	Rothamsted	65	31	59·9	43·0	50·9	− 1·6	62	0	4	0·52	+ 0·04	38·4	− 6·6	35	− 6
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	64	35	62·0	43·3	52·1	− 0·9	71	0	3	0·05	− 0·48	*	*	*	*
	Loughborough	66	31	62·1	42·7	51·8	− 1·8	69	0	3	0·39	− 0·13	*	*	*	*
	Cheadle (M)	62	37	58·2	43·6	50·5	− 0·2	60	0	3	0·38	− 0·22	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	65	40	59·6	44·4	51·5	− 1·0	67	0	4	0·54	+ 0·04	31·8		29	?
	Churchstoke (M)	67	34	60·5	41·1	50·2	− 0·6	61	3	4	0·98	+ 0·42	39·0	− 4·0	35	− 4
	Hereford (Belmont) (M)	66	36	61·2	43·7	51·9	− 1·4	69	0	4	0·55	+ 0·01	*	*	*	*
	Cirencester	64	36	59·1	42·9	50·5	− 1·0	60	0	4	0·76	+ 0·22	42·7	− 3·1	38	− 4
	Oxford	66	38	60·6	44·6	52·1	− 0·9	71	0	3	0·60	+ 0·10	35·7	− 9·0	32	− 9
5. ENGLAND, S.	London	67	38	62·1	46·0	53·6	− 0·9	81	0	4	0·39	− 0·08	26·2†	−15·5†	24†	−14†
	Cranley (M)															
	Dungeness	62	42	58·4	47·9	52·8	− 0·1	76	0	3	0·18	− 0·27	35·7	?	32	?
	Hastings (St. Leonards)	61	46	57·0	47·3	51·9	− 0·8	69	0	4	0·33	− 0·12	41·2	−12·9	37	−13
	Southampton	65	42	61·2	46·9	53·6	− 0·7	81	0	4	1·02	+ 0·57	43·7	− 5·8	40	− 6
	Portland Bill	61	44	56·4	46·4	51·1	− 1·4	64	0	4	0·49	?	*	*	*	*
	Shaftesbury (M)	63	40	57·2	43·7	50·1	− 1·6	57	0	4	1·09	+ 0·67	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	59	42	56·0	45·7	50·5	− 0·7	60	0	6	1·89	+ 1·00	*	*	*	*
	Glasgow	62	41	57·1	46·1	51·3	+ 0·8	65	0	6	0·71	+ 0·03	26·0	−10·3	23	−9
	Glenlee (S)	60	40	56·5	44·3	50·0	− 0·5	56	0	4	2·08	+ 1·28	*	*	*	*
	Douglas (Isle of Man)	59	38	56·1	45·4	50·4	− 0·3	59	0	2	1·12	+ 0·55	50·3	+0·1	45	0
7. ENGLAND, N.W.	Newton Reigny	64	41	58·8	44·4	51·2	+ 1·7	64	0	4	0·71	?	45·7	?	40	?
	Stonyhurst	62	39	57·1	44·0	50·2	− 1·3	57	0	3	0·72	− 0·05	42·2	−1·6	37	−2
	Blackpool (M)	62	39	57·5	45·1	50·9	− 0·7	62	0	3	0·54	+ 0·02	44·5	+0·5	39	0
	Manchester (Prestwich)	63	36	59·3	42·7	50·5	− 1·3	60	0	4	0·35	− 0·32	33·9	?	30	?
	Liverpool Obsy. (Bidston)	64	43	58·7	45·7	51·8	− 0·4	69	0	3	0·25	− 0·25	46·9	?	42	?
	Llandudno (M)	61	44	58·9	46·8	52·5	− 0·2	74	0	4	0·17	− 0·31	50·5	+7·0	45	+6
	Holyhead	56	44	54·6	46·1	50·1	− 2·1	57	0	3	1·01	+ 0·53	*	*	*	*
8. ENGLAND, S.W.	Llandovery	67	29	60·9	40·0	49·8	− 2·7	63	6	4	1·10	+ 0·40	*	*	*	*
	Pembroke	58	42	53·6	46·4	49·8	− 1·9	55	0	4	0·90	+ 0·40	49·5	−0·2	45	0
	Clifton	67	43	60·2	47·3	53·4	+ 0.9	80	0	4	0·84	+ 0·26	*	*	*	*
	Arlington (N. Devon)	63	35	58·1	42·3	49·7	− 1·6	54	0	4	0·92	+ 0·18	*	*	*	*
	Cullompton (M)	67	35	60·5	43·6	51·5	− 1·6	67	0	3	0·90	+ 0·48	44·1	− 1·4	40	−2
	Falmouth	60	43	57·9	46·8	52·0	− 1·0	70	0	5	0·86	+ 0·36	53·8	+1·8	49	+1
	Plymouth	59	39	57·0	45·5	50·9	− 3·7	62	0	3	0·88	+ 0·40	54·0	+5·8	50	+5
9. IRELAND, N.	Malin Head	58	44	54·4	46·7	50·3	− 0·6	58	0	6	0·18	?	*	*	*	*
	Londonderry	62	41	57·8	44·4	50·7	− 1·7	61	0	6	1·46	+ 0·85	*	*	*	*
	Edenfel (Omagh)	62	37	57·9	42·4	49·7	+ 0·2	54	0	7	0·88	+ 0·28	*	*	*	*
	Blacksod Point	58	45	55·3	46·4	50·6	− 1·1	60	0	6	1·34	?	*	*	*	*
	Markree Castle	62	24	57·0	42·2	49·2	− 1·4	50	0	6	1·27	+ 0·63	28·6	−13·2	25	−12
	Armagh	61	39	57·7	43·3	50·1	− 1·1	57	0	5	1·12	+ 0·65	29·8	− 10·9	26	−10
	Donaghadee	59	41	55·1	43·9	49·2	− 2·3	50	0	6	0·87	+ 0·31	*	*	*	*
10. IRELAND, S.	Dublin	63	41	59·9	46·3	52·7	− 0·3	75	0	6	0·91	+ 0·41	44·1	− 2·9	39	− 4
	Parsonstown	63	37	58·6	44·1	50·9	− 1·1	62	0	7	0·89	+ 0·29	38·9	− 1·9	35	− 1
	Kilkenny	62	38	57·6	44·6	50·7	− 1·6	61	0	7	0·86	+ 0·36	*	*	*	*
	Roche's Point	57	45	56·1	48·4	52·0	− 1·7	70	0	6	1·34	+ 0·62	*	*	*	*
	Valencia	60	42	56·6	47·1	51·6	− 1·8	67	0	6	2·07	+ 1·45	16·0	−31·0	14	−29
	Killarney	63	38	58·1	45·4	51·4	− 1·3	66	0	6	1·74	?	*	*	*	*
	Foynes	67	38	59·1	45·5	51·9	+ 0·1	69	0	6	0·93	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	48	58·4	49·9	53·9	+ 0·5	83	0	3	0·68	+ 0·31	46·9	?	43	?
	Jersey	64	40	60·7	48·1	54·0	− 0·5	84	0	4	0·56	+ 0·14	?56·5	?− 0·3	?52	?− 1

Stations marked (M) are in connection with the Royal Meteorological Society, and those marked (S) with the Scottish Meteorological Society

* An Asterisk is inserted in all places for which the information is not usually received.

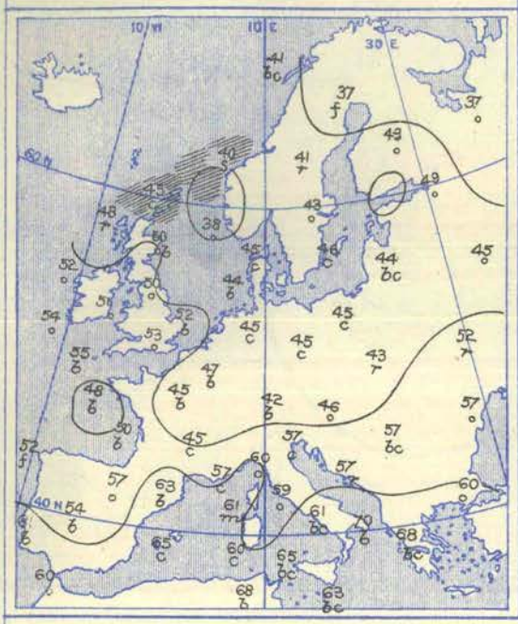
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

Note.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 20th May.

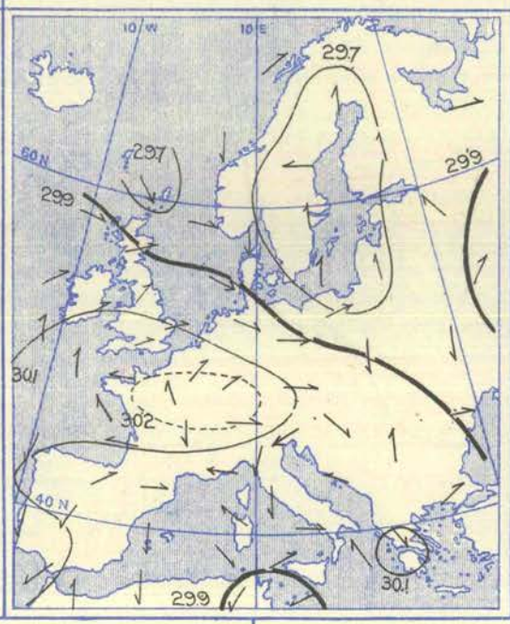
Temperature and Weather.

8 a.m.

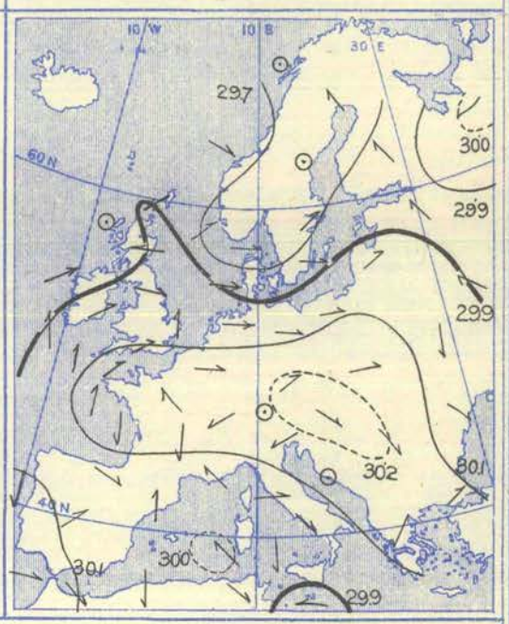


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning fine over the Mediterranean, the greater part of France and south-eastern Europe; unsettled and variable in northern Europe; fine over the eastern counties of England, but apparently undergoing a decided change in the west. Rain later in Scandinavia, Scotland and Ireland, but amounts not large, except at Valencia, where fall was 0·6 ins.

Temperature inclined to rise in our Islands. Morning readings highest, 70° at Brindisi, 68° at Athens, La Calle and Barcelona, 63° at Marseilles, 57° at Biarritz, and above 50° in many parts of our Islands. Lowest, 37° at Archangel, Haparanda and Helsingfors, 40° at Christiansund, 45° at Sumburgh Head. Rising later to 60° at Parsonstown and Shields, to 66° at Loughborough, 67° in London, 73° at Rochefort, 75° at Perpignan, and 70° in the Azores.

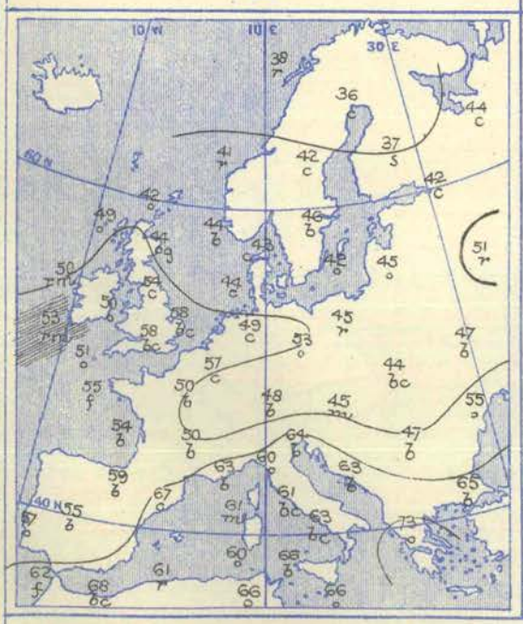
Wind varying greatly—(1) light and anticyclonic over France; (2) moderate and circulating cyclonically over Scandinavia and the Baltic; (3) light from West and South-West over England, but Southerly over Ireland, and freshening. The Southerly wind on our western coasts spreading Eastwards later, the winds over northern Europe falling lighter.

Barometer 30·2 ins. to 30·1 ins. in an anticyclone over France and Germany, and exceeding 29·9 ins. over central Russia; 29·80 ins. at Christiansund. Lowest, 29·9 ins. and less over Tunis and Malta; about 29·6 ins. over Sweden, and also over the Shetlands; below 30·0 ins. off the north-west of Ireland. New depression approaching Ireland from the Atlantic later, and Continental anticyclone moving east-south-east.

Monday, 21st May.

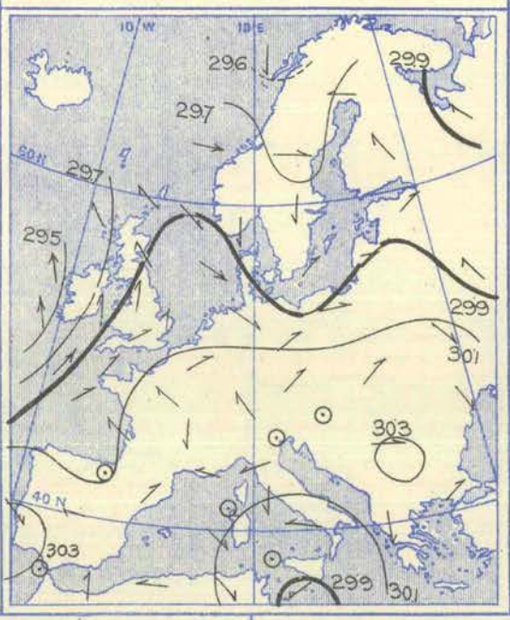
Temperature and Weather.

8 a.m.

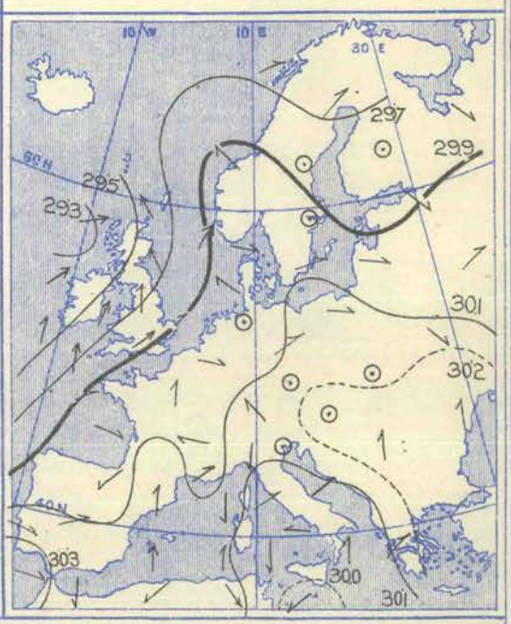


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over France, southern, south-eastern and central Europe, changeable in the north (with local falls of snow and rain), dull and becoming unsettled over the British Islands and Norway—rain in Ireland and in the north-west of Norway. Rain later in all parts of the United Kingdom and at Brest—amounts very considerable in Wales and the south of Ireland, slight over our southern and eastern counties.

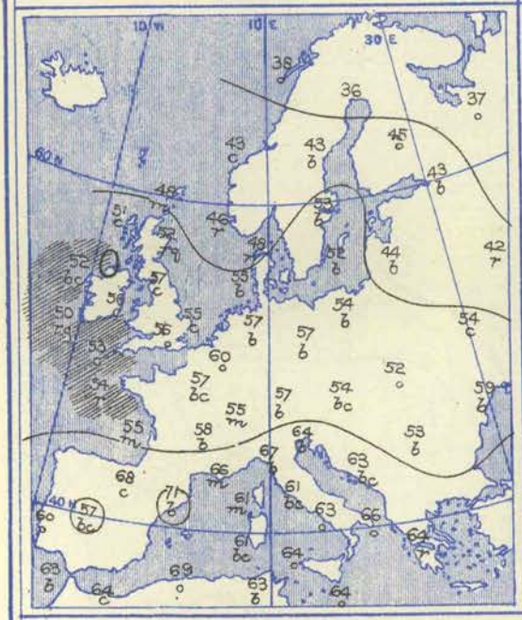
Temperature risen decidedly over France, the North Sea, and east of England. Morning readings highest, 73° at Patras, 67° at Barcelona, 66° at Malta, Palermo and La Calle, 63° at Nice, 57° at Brussels, 56° over our Midland counties. Lowest, below 40° over Lapland and Finland, 41° at Christiansund, 44° in Denmark, and below 45° over the Shetlands, Caithness and Aberdeen. Rising later to between 65° and 60° over our midland and eastern counties, to 73° at Paris and Nice, and 76° at Perpignan.

Wind light and very variable over continental Europe, but largely Southerly over Finland and western Russia, Westerly over the Baltic, North-Westerly and Northerly over Denmark and the Skager Rack. South-Easterly to Southerly over the United Kingdom and freshening greatly at all our western stations. A moderate Westerly gale felt later in most parts of our Islands, and strong gusty breezes generally.

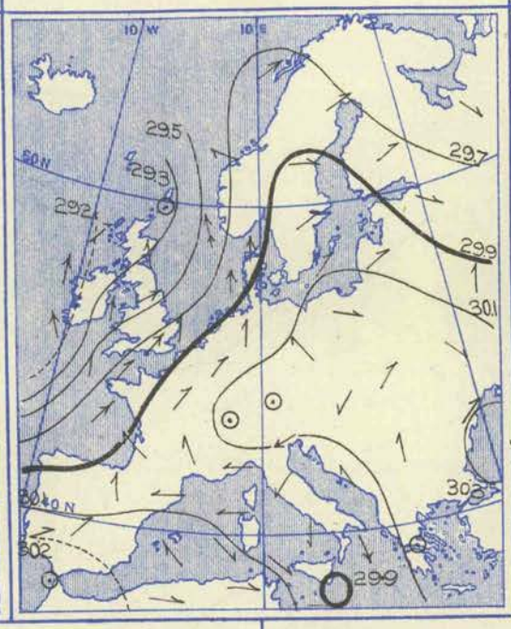
Barometer highest, 30·3 ins. to 30·2 ins over Hungary and south-eastern Europe, and exceeding 30·1 ins. over the southern part of the Continent generally. Lowest, (1) 29·6 ins. and less to 29·7 ins. in a complex series of disturbances over Lapland and the north of Sweden; (2) 29·5 ins. and less in a well-marked depression approaching Ireland from the south-westward. Gradients increasing over the British Isles. The new depression moving quickly to the north-eastward later, but pressure not recovering much on our Atlantic coasts.

Tuesday 22nd May.

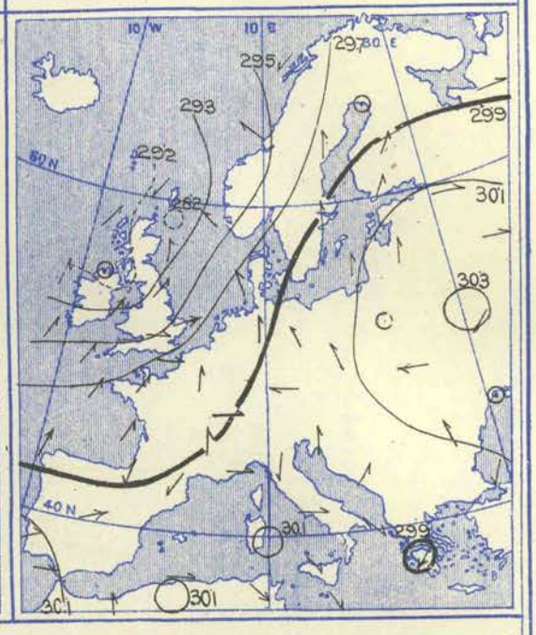
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-eastern and central Europe; unsettled and changeable over northern Russia; cloudy, squally and very showery over the British Islands and their neighbourhood. Rain falling later in all parts of our Islands and many parts of the Continent; amounts moderate at our own stations, but large to the eastward of the North Sea—1·2 ins. at Faerder, 0·6 in. at Fanö.

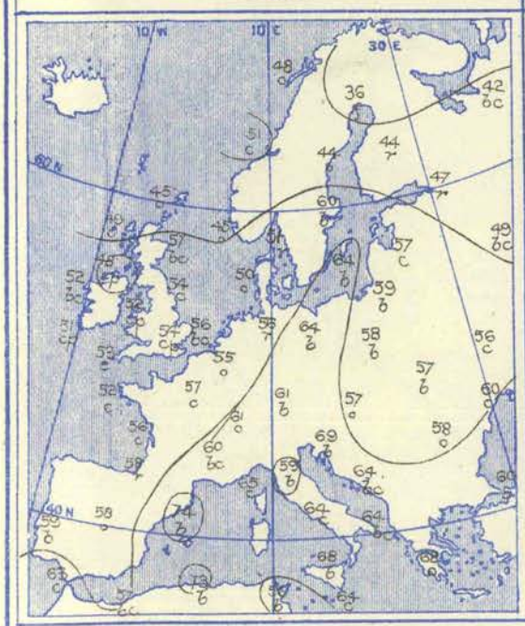
Temperature fallen over central and eastern Europe. Morning readings highest, 71° at Barcelona, 69° at Algiers, 67° at Leghorn, and above 60° at many of the Mediterranean stations; 57° at Lorient and Berlin, 56° in London, and above 50° in nearly all parts of our Islands. Lowest, 36° to 38° in Lapland, 37° at Archangel, 48° at Sumburgh Head, 49° at Wick and Malin Head. Exceeding 60° later on our north-east coasts, and touching 77° at Berlin, Frankfort and Belfort, 79° at Lyons and Biarritz; not exceeding 64° at Lisbon and in the Azores.

Wind very light and variable over the Continent as a whole, but Southerly (South-East to South-West) and fresh over our Islands and their neighbourhood (a gale at Skudesnaes) Southerly, light to moderate, in Sweden. Shifting to West over our southern and south-western regions later, and in France, and becoming very variable in Scotland; South-Easterly in Norway.

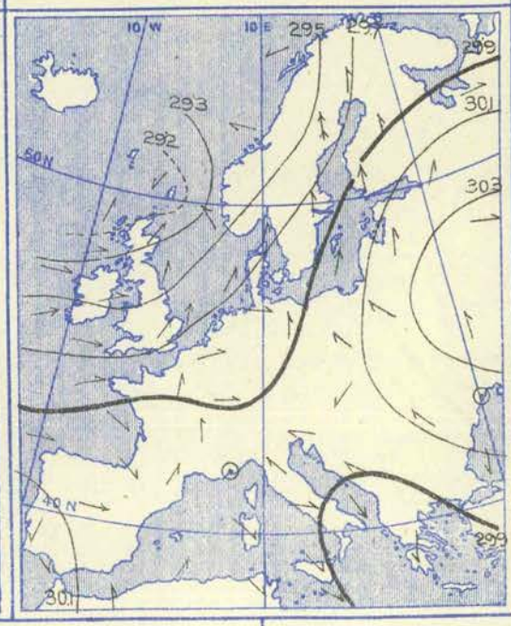
Barometer highest, 30·3 ins. and more over the Black Sea, and exceeding 30·1 ins. all over central Europe, Turkey and the south of Russia. Lowest, (1) 29·2 ins. and less in the west of Ireland and off the Hebrides; (2) 29·7 ins. and less over Lapland and the White Sea; (3) 29·9 ins. and less in a small depression near Malta and the south of Sicily. Latter disturbance moving eastwards later; that off our western coast moving north-east and undergoing great modification in form.

Wednesday, 23rd May.

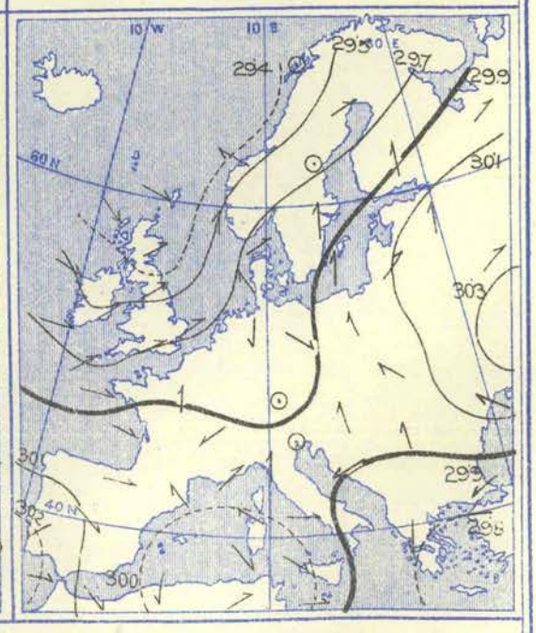
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine generally over eastern and southern Europe, cloudy, showery and unsettled in the west and north, but with bright intervals between the showers. Rain falling later over all the western and north-western countries—most at the Continental stations—(0.7 inch at Perpignan); thunder and lightning occurring over many of the western and northern parts of the United Kingdom and at Berlin.

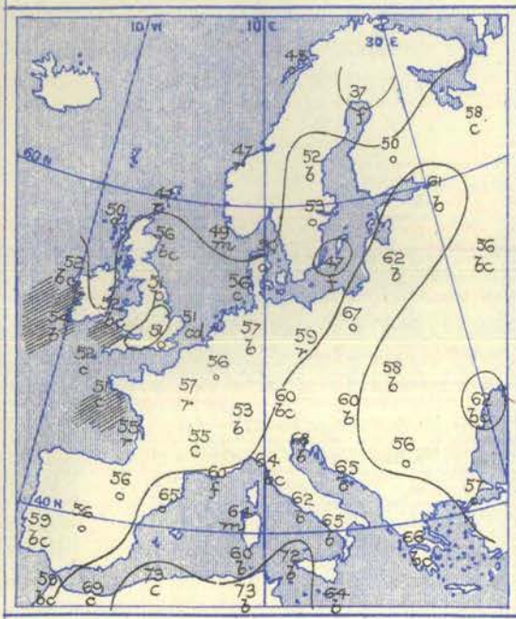
Temperature risen over central and eastern Europe, inclined to fall in the far west. Morning readings highest, 74° at Barcelona, 73° at Algiers, 68° at Athens, 64° at Naples, as well as at Frankfort, Madrid and Wisby, 60° at Stockholm, above 50° in most places. Lowest, 36° at Haparanda, 44° at Hernösand, 45° at Skudesnaes and Sumburgh Head, 48° at Malin Head. Rising later to 60° or more at our north-eastern and eastern stations, to 71° at Paris, 72° at Stockholm, 75° at Perpignan and Munich, and 82° at Berlin

Wind (1) light and anticyclonic from between East and South over Russia and central Europe, and from between West and North at the Spanish and Portuguese stations; (2) Westerly to Southerly, cyclonic and rather fresh over our Islands, South-Easterly to Easterly in Norway, and (locally) North-East, faint, at Sumburgh Head. Becoming very variable at our northern and western stations, (Easterly at Donaghadee), but remaining South-Westerly in the South and East.

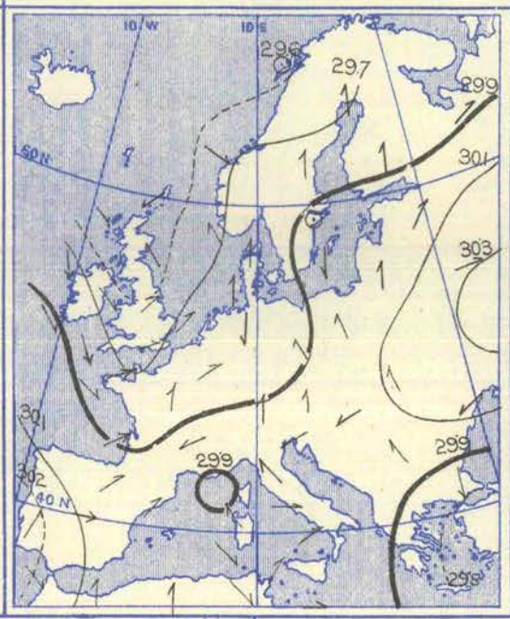
Barometer.—Highest, (1) 30·3 inches and more to 30·0 inches in an anticyclone over the central parts of Russia, Poland and Hungary; (2) 30·1 inches and more to 30·0 inches over the Spanish Peninsula, 30·33 inches in the Azores. Lowest, (1) 29·2 inches and less over the Shetlands and Hebrides; (2) below 29·9 inches over south-eastern Europe. Gradients moderate to rather steep in the north and west. Rising later in the north and north-west of our Islands, and subsequently in Scandinavia

Thursday, 24th May.

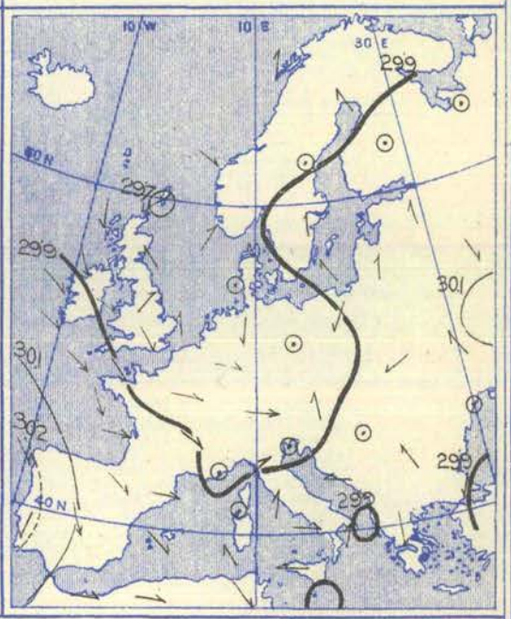
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Russia and south-eastern Europe, fair but dull over central Europe, rainy and unsettled over France, the eastern parts of England and in Norway, clearing up in the west. Rain later in a few parts of our Islands, and at many of the Continental stations (nearly 1·0 in. at Brussels) but clearing up in the United Kingdom generally at night. Thunder occurring at some of our eastern stations about mid-day.

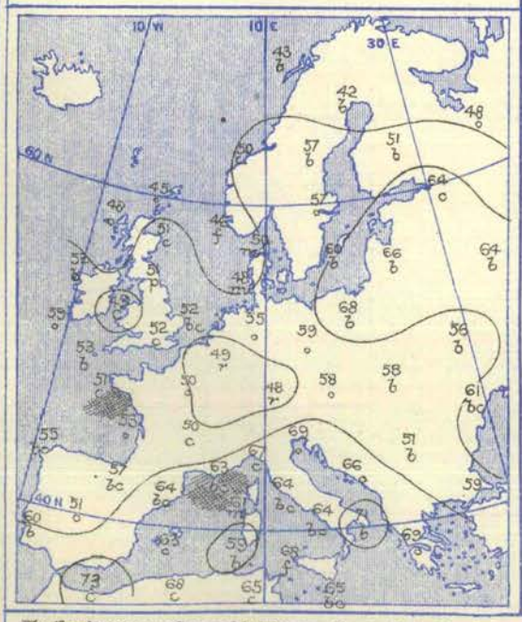
Temperature falling over Great Britain and France. Morning readings highest, 73° at Algiers and La Calle, 66° at Patras, and above 60° at most of the Mediterranean stations; 57° at Nice, 60° to 61° in many parts of central Europe, 67° at Neufahrwasser, 65° at Memel, 61° at St. Petersburg, 58° at Archangel, and above 50° over France and many parts of our Islands. Lowest, 45° at Bodo, 47° at Christiansund and Sumburgh Head, 49° at Malin Head and Liverpool. Rising later to 64° at Leith, 61° at Fanö and Loughborough, 66° at Frankfürt, Munich and Lyons, 70° at Nice.

Wind light and variable over the Continent—mainly from South-East and South over Russia, and from South-West and West over France; South-Westerly over the east of England, very variable over Scotland, North-Westerly, moderate to fresh over Ireland, Wales and the west of England. The North-Westerly wind becoming more general on our western and north-western coasts later, but a Southerly breeze continuing in the East.

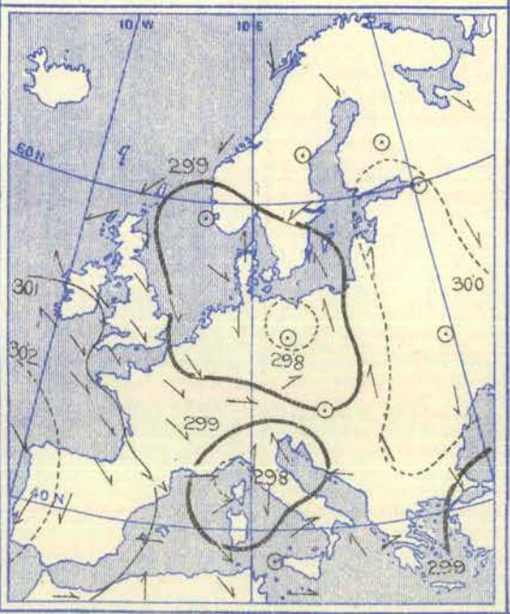
Barometer highest, (1) 30·3 ins. at Moscow and exceeding 30·0 ins. all over Russia, Wallachia and Bulgaria; (2) 30·21 ins. at Lisbon and exceeding 30·0 ins. all over the Spanish Peninsula. Lowest, 29·6 ins. and less over Scotland and below 29·7 ins. in a "V"-shaped depression over England; 29·88 ins. at Nice, rising later in Ireland, Scotland and the West of England—the "V" collapsing and a complex shallow low pressure area forming over the North Sea.

Friday, 25th May.

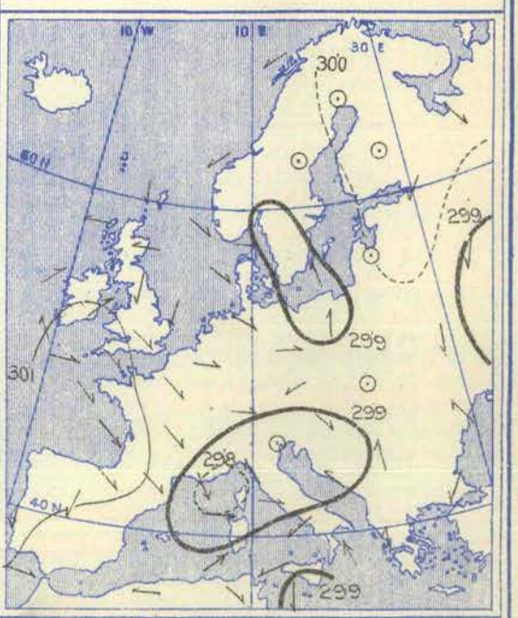
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Russia, Poland and the eastern parts of Germany, and also over the greater part of the British Islands and the northern half of Scandinavia; fine also over the Mediterranean; dull and rather unsettled over the northern parts of Great Britain, the eastern shores of the North Sea, and in many parts of north-east Germany. Rain later—generally in France and Germany; heavily at Trieste; locally over the British Islands and Scandinavia. Becoming dull at our western stations later, but clearing over England.

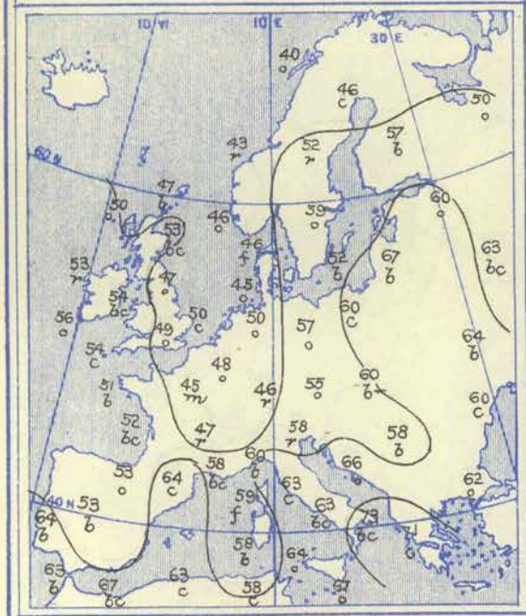
Temperature highest, (1) 73° at Oran, 69° at Athens, 68° at Palermo, and exceeding 60° over many other parts of the Mediterranean; 57° at Biarritz, and exceeding 50° almost all over France and the British Islands; (2) 68° to 66° over the north-east of Germany, 64° at Moscow. Lowest, below 50° over the extreme north of Europe, 45° at Sumburgh Head, 48° over the most northern parts of Scotland and at Malin Head; (1) exceeding 60° later in several parts both of Great Britain and Ireland; (2) touching 63° at Berlin, 64° at Paris, 70° at Nice; (3) 75° at Wisby, 70° at Stockholm, 77° at Rome and Palermo, 82° at Brindisi.

Wind North-Westerly over the greater part of our Islands; North-Westerly to Westerly over France; South-Easterly over the southern shores of the Baltic; Northerly over the north-west of Norway. Separate circulations found—cyclonic over the south-east of France, anticyclonic over Russia. A Southerly wind encroaching on our western coasts later.

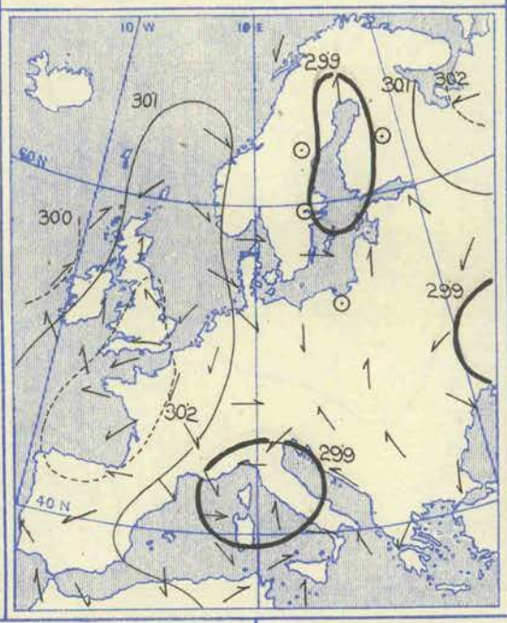
Barometer highest, (1) 30·2 ins. and more over Portugal, and exceeding 30·1 ins. over the south-west of France, the Bay of Biscay and the south of Ireland; (2) 30·0 ins. and more in an anticyclone over Russia. Lowest, 29·8 ins. and less over north Germany, and also over the Riviera and the northern parts of Italy and the Adriatic; 29·3 ins. and less over Asia Minor. Falling a little over the west of Ireland subsequently; rising over England and the North Sea.

Saturday, 26th May.

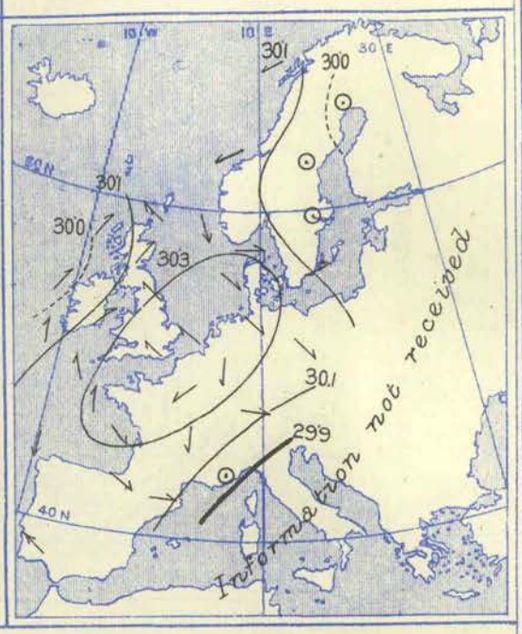
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over eastern Europe, the greater part of France, and in some few parts of Great Britain, dull over the British Islands as a whole, the North Sea, Germany and Scandinavia, raining in the north-west of Ireland, and also at Hernosand. Some rain later over Germany and the east of France, a considerable quantity over Ireland and some showers, sporadically, in Scotland.

Temperature fallen over England, risen over the southern half of Russia and also in Ireland. Morning readings highest, (1) 73° at Brindisi, 67° at Malta and at Algiers, 64° at Barcelona; (2) 64° at Kieff, 63° at Moscow, 60° at St. Petersburg; (3) 59° at Jersey, 56° at Scilly, 53° at Aberdeen. Lowest, 40° at Bodo, 43° at Christiansund, 45° at Fanö, 47° at Sumburgh Head and Shields. Rising later to 60° at Nairn, to between 60° and 64° over the eastern half of England, to 61° at Paris, 64° at Berlin and Nice, 77° at Lisbon.

Wind (1) very variable indeed over continental Europe, but chiefly Northerly in France, South Easterly over Finland—a cyclonic circulation found over the north-eastern parts of the Mediterranean, Italy and the Adriatic; (2) Southerly, moderate, over Ireland and Scotland, Northerly to Easterly over the south-east and east of England. The Southerly wind at our western stations spreading Eastwards later, and the Northerly wind in France backing to North-West.

Barometer highest, (1) 30·2 ins. and more to 30·1 ins. over northern Russia; (2) 30·2 ins. and more in an anticyclone over the Bay of Biscay, the west of France and England; (3) 30·0 ins. and more over the south-east of Hungary. Lowest, 29·9 ins. and less (1) in an elongated depression over the Gulf of Bothnia; (2) in a depression over the northern parts of the Mediterranean, of Italy, and the Adriatic; (3) 30·0 ins. and less in a new depression off our north-western coasts. Falling later at all our western stations, rising over the Continent.

GENERAL NOTES

At the commencement of this week an anticyclone, in which readings varied from 30·2 ins. and more to 30·1 ins., covered France, the southern parts of the British Islands and the west of Germany, and apparently there was another high pressure area over central Russia. To the southward pressure decreased to below 29·9 ins. over Malta and Tunis, and to the northward to 29·6 ins. over Sweden, and 29·7 ins. and less over the Shetlands, while to the westward a new low pressure area was approaching Ireland from the Atlantic.

During the next few days a series of disturbances, simple in their construction at first, but becoming more complex later, advanced over the British Isles, so that warm humid winds spread over north-western and northern Europe, and at times blew strongly on the British coasts, with rain. On Wednesday the central area of the more prominent of these had reached Scotland, thunderstorms had been experienced in many parts of the British Islands, and the Russian high pressure system (after moving southwards for a time) increased in intensity. Thursday brought a complex "V"-shaped disturbance over the United Kingdom, which on Friday passed away and underwent great modification.

On Friday a large, but not very intense "ridge" of high pressure was succeeding, over the United Kingdom and France, the disturbance last noted, accompanied by colder North-Westerly winds. Considerable heat began to be developed over central Europe. As the westerly high pressure moved slowly eastwards a south-westerly current, of little strength, was again developed in the United Kingdom, but the rain in the western districts had not reached England before the week closed.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 122.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	42·8	?	37	?	BRIGHTON	48·3	- 0·8	44	- 1
STRATHPEFFER SPA	24·4	-14·8	21	-13	WORTHING	50·5	?	46	?
EDINBURGH	33·9	- 3·4	29	- 4	BOGNOR	53·5*	?	49*	?
MORPETH	35·7	?	31	?	WATERGATE (Emsworth)	40·8	?	37	?
NEWCASTLE-ON-TYNE	24·0	?	21	?	WESTBOURNE (Emsworth)	38·4*	-13·0	35*	-13
OSWALDKIRK (Yorkshire)	32·7	- 7·1	20	- 6	VENTNOR HOSPITAL	39·7	?	36	?
YORK	21·6	-21·3	19	-19	SOUTHPORT	49·8	?	44	?
LOWESTOFT	47·8	?	43	?	RHYL	49·3*	?	44*	?
HOLLESLEY BAY	47·7	?	43	?	COLWYN BAY	48·6	?	43	?
SHEFFIELD	32·7	?	29	?	ABERDOVEY	56·4*	?	50*	?
WORKSOP	27·0	-12·8	24	-12	TENBY				
THURCASTON (Leicestershire)	38·3	- 3·4	34	- 4	NEWQUAY	48·1	- 0·4	44	- 2
MARGATE	32·6	-12·2	30	-11	TORQUAY	56·1	+ 5·9	51	+ 5
EASTBOURNE	49·1	- 2·3	45	- 2	GUERNSEY	56·9*	- 3·3	53*	- 4

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Mar. 24th, 1900	Blackpool	49	23	44·5	32·5	38·3	- 3·6	7	34	3	0·10	- 0·43	26·2	+ 2·7	31	+ 3
" " " " "	Jersey	—	—	—	—	—	—	—	—	—	—	—	27·3	- 9·5	32	- 12
" " " " "	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	25·1	?	30	?
" " " " "	Newquay	—	—	—	—	—	—	—	—	—	—	—	17·0	-15·7	20	-19
" " " 31st, "	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	33·5	?	38	?
" " " " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	39·3	+ 1·7	45	+ 1

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 22.] *Third Series.* WEEK ENDING SATURDAY, JUNE 2ND, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE —The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 128.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	72	35	58·1	44·1	50·6	1 above	60	+10	0	- 3	368	- 32	638	+ 21
	1. SCOTLAND, EAST	69	35	57·8	44·0	50·4	1 below	59	- 6	0	- 2	438	- 73	697	+ 49
	2. ENGLAND, N.E.	71	42	56·4	46·2	51·0	1 below	63	+ 1	0	- 1	455	- 43	518*	- 30
	3. ENGLAND, EAST	72	38	59·2	46·3	52·4	1 below	73	- 7	0	- 2	575	- 70	550	- 86
	4. MIDLAND COUNTIES	69	38	61·2	45·3	52·8	1 below	76	- 6	0	- 1	572	-110	567	- 51
	5. ENGLAND, SOUTH	71	36	61·5	46·0	53·3	1 below	79	- 9	0	- 1	674	- 48	389	- 87
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	70	35	60·6	45·9	52·8	1 above	76	+ 6	0	- 1	507	- 47	506	+ 45
	7. ENGLAND, N.W.	70	38	60·0	46·7	53·0	0 (average)	77	+ 2	0	- 1	501	- 73	452	- 6
	8. ENGLAND, S.W.	71	37	62·5	46·9	54·2	0 (average)	85	+ 3	0	0	669	- 44	336	- 25
	9. IRELAND, NORTH	73	37	62·0	46·3	53·7	1 above	82	+10	0	- 1	547	- 86	415	+ 21
	10. IRELAND, SOUTH	71	39	64·2	47·0	55·1	1 above	90	+11	0	- 1	714	- 57	373	+ 74
	—CHANNEL ISLANDS	67	45	61·6	50·5	55·8	1 above	97	+10	0	0	940	+107	97	- 51

Rainfall. / Bright Sunshine.

	DISTRICTS. (See p. 128.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	4	3 less	106	+ 5	19·3	- 0·1	48	+18	38	+15	487	+28	28	+ 2
	1. SCOTLAND, EAST	2	1	4 less	87	+ 6	12·2	+ 0·6	34	- 8	28	- 8	485	-46	27	- 3
	2. ENGLAND, N.E.	2	1	4 less	77	0	10·3	+ 1·0	29	-11	25	-11	458	-75	25	- 4
	3. ENGLAND, EAST	4	7	2 more	80	+ 5	10·8	+ 2·1	30	-19	27	-17	608	-27	32	- 2
	4. MIDLAND COUNTIES	1	1	5 less	75	+ 3	12·0	+ 1·8	34	- 8	30	- 7	494	-27	29	- 2
	5. ENGLAND, SOUTH	2	2	2 less	73	+ 3	11·8	+ 1·3	42	- 9	38	- 9	604	-40	33	- 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	6	2 less	89	+ 3	20·2	0·0	54	+10	47	+ 8	572	+23	32	+ 1
	7. ENGLAND, N.W.	1	less than ½	6 less	79	+ 1	13·2	+ 1·3	59	+15	52	+14	596	+46	33	+ 3
	8. ENGLAND, S.W.	1	2	4 less	84	+ 5	18·1	+ 3·0	56	+ 6	50	+ 5	673*	+ 5	37	0
	9. IRELAND, NORTH	1	1	5 less	96	+ 5	13·7	+ 0·8	69	+27	60	+23	566	+33	31	+ 1
	10. IRELAND, SOUTH	1	less than ½	6 less	86	+ 1	15·3	- 0·2	70	+25	62	+22	611	- 3	34	0
	— CHANNEL ISLANDS	2	2	2 less	91	+ 5	15·7	+ 3·2	63	- 1	57	- 2	740	- 2	42	0

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties. England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was generally fine and dry over the western and south-western parts of the Kingdom, but in the east and north-east of Great Britain much cloud prevailed, and there were occasional falls of rain.

Temperature was slightly below the mean in Scotland E., as well as in England N.E., the Midland Counties and England E. and S., but a little above, or just equal to it, elsewhere. The highest of the maxima were registered on May 27th, and ranged from 73° in Ireland N. and 72° in Scotland N. and England E., to 67° in the Channel Islands. The lowest of the minima were recorded, as a rule, on May 30th, and varied from 35° in the Scotch districts and 36° in England S., to 42° in England N.E., and to 45° in the Channel Islands.

Rainfall exceeded the mean in England E., but was less in all other parts of the Kingdom, the deficit in most cases being large.

Bright Sunshine was considerably in excess of the mean in Scotland N. and W., the western parts of England, and over Ireland, but deficient elsewhere. The percentage of the possible duration ranged from 62 to 60 in the Irish districts, and 57 in the Channel Islands, to 28 in Scotland E., 27 in England E., and 25 in England N.E.

Barometer and Wind.—At the commencement of the week a depression was moving northwards outside our western coasts, causing moderate to fresh Southerly to South-Westerly winds over the whole Kingdom. By the morning of the 29th this system had disappeared and an anticyclone was spreading over us from the westward, while a shallow depression was shown over Denmark. During the remainder of the week the distribution continued mainly anticyclonic, and the winds generally were moderate from between North and North-East. The presence of some shallow disturbances over Spain and France, however, caused the wind to increase in force on our south-east coasts towards the end of the week, besides occasioning much cloud and considerable rain in the east and south-east generally.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 127 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	56	42	50·1	43·0	46·3	- 0·9	30	0	2	0·27	- 0·19	*	*	*	*
	Stornoway	64	40	57·9	43·1	50·1	+ 0·9	57	0	2	0·28	- 0·35	62·1	+20·2	51	+16
	Wick	56	43	53·4	46·3	49·6	+ 0·4	53	0	2	0·23	- 0·14	*	*	*	*
	Lairg Ⓢ	70	35	60·8	41·0	50·2	+ 0·7	62	3	2	0·07	- 0·43	*	*	*	*
	Glencarron Ⓢ	72	38	62·4	43·6	52·4	+ 1·9	73	0	2	0·51	- 0·69	*	*	*	*
	Fort Augustus Ⓢ	62	37	59·1	45·4	51·8	+ 0·6	69	0	1	0·10	- 0·31	47·4	+18·9	40	+16
	Fort William Ⓢ	71	42	63·1	46·3	54·1	+ 2·0	85	0	2	1·03	+ 0·22	67·9	+28·4	57	+24
1. SCOTLAND E.	Nairn	63	39	59·3	42·1	50·7	- 1·0	61	0	2	0·05	- 0·39	*	*	*	*
	Aberdeen	64	42	55·6	45·3	50·1	- 1·1	57	0	1	0·02	- 0·46	20·5	-24·5	17	- 21
	Braemar Ⓢ	68	35	60·0	41·3	50·0	+ 0·8	59	2	2	0·10	- 0·38	52·3†	+10·3†	44†	+ 7†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	69	43	58·3	46·6	52·1	- 0·7	71	0	1	0·05	- 0·42	*	*	*	*
	Marchmont Ⓢ	68	41	55·7	43·6	49·3	- 1·6	51	0	2	0·07	- 0·53	31·0	-11·3	26	-11
2. ENGLAND, N.E.	Alnwick Castle	71	43	57·2	45·2	50·8	+ 0·2	62	0	2	0·10	- 0·44	*	*	*	*
	Durham	68	42	55·4	45·4	50·1	- 2·2	57	0	2	0·02	- 0·50	21·5	-18·6	19	-16
	Shields	66	42	56·6	45·1	50·5	- 0·4	60	0	1	0·03	- 0·39	*	*	*	*
	Scarborough Ⓜ	68	43	56·5	45·7	50·8	- 1·2	62	0	2	0·09	- 0·41	*	*	*	*
	Spurn Head	65	46	56·1	49·6	52·7	+ 0·6	75	0	1	0·02	- 0·41	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	71	42	59·4	46·1	52·4	- 1·2	73	0	3	0·23	- 0·29	28·2	-20·0	25	-18
	Yarmouth	66	46	56·1	46·9	51·2	- 1·7	64	0	6	0·92	+ 0·45	*	*	*	*
	Geldeston	69	38	58·6	46·0	51·9	- 1·6	69	0	4	1·03	+ 0·58	27·3	-24·2	24	-23
	Cambridge	72	43	61·4	46·5	53·5	- 1·3	81	0	3	0·69	+ 0·19	31·9	-14·3	28	-13
	Felixstowe	71	46	59·9	47·9	53·5	+ 0·2	81	0	3	0·61	?	32·6†	?	29†	?
	Rothamsted	69	38	59·7	44·6	51·6	- 2·4	67	0	3	0·53	+ 0·05	30·3	-15·2	27	-14
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	67	40	61·1	45·0	52·6	- 1·8	74	0	1	0·02	- 0·52	*	*	*	*
	Loughborough	68	40	61·6	45·7	53·2	- 2·1	78	0	2	0·07	- 0·45	*	*	*	*
	Cheadle Ⓜ	67	43	60·2	46·6	53·0	+ 0·7	77	0	0	-	- 0·62	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	65	44	60·1	46·2	52·7	- 1·3	75	0	1	00·4	- 0·54	26·1	?	23	?
	Churchstoke Ⓜ	64	38	61·3	44·0	52·1	- 0·3	71	0	0	-	- 0·57	38·7	- 5·2	34	- 5
	Hereford (Belmont) Ⓜ	68	41	62·6	45·0	53·3	- 1·3	79	0	1	0·04	- 0·50	*	*	*	*
	Cirencester	65	40	61·3	43·4	51·8	- 1·4	69	0	1	0·27	- 0·28	33·6	-12·5	30	-12
	Oxford	69	44	61·6	46·7	53·7	- 0·7	82	0	1	0·31	- 0·22	34·2	-11·0	30	-11
5. ENGLAND, S.	London	71	42	62·3	47·3	54·4	- 1·6	87	0	2	0·32	- 0·15	30·4†	-11·7†	27†	-11†
	Swarraton (Alresford) Ⓜ	67	37	61·6	43·6	52·1	- 3·4	71	0	2	0·06	- 0·34	*	*	*	*
	Dungeness	67	42	60·6	48·0	53·9	- 0·5	83	0	2	0·26	- 0·20	37·1	?	33	?
	Hastings (St. Leonards)	67	45	60·7	48·2	54·0	- 0·1	84	0	2	0·44	- 0·01	45·3	- 9·5	41	- 9
	Southampton	70	46	66·0	47·6	56·2	+ 0·6	99	0	2	0·02	- 0·43	47·7	- 2·3	43	- 3
	Portland Bill	62	45	58·4	46·4	52·0	- 1·7	70	0	1	0·25	?	*	*	*	*
	Shaftesbury Ⓜ	65	36	60·9	41·1	50·4	- 2·6	63	3	1	0·30	- 0·11	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	68	41	61·2	46·8	53·5	+ 1·2	81	0	2	1·40	+ 0·49	*	*	*	*
	Glasgow	65	45	60·1	48·5	54·0	+ 2·0	84	0	1	0·26	- 0·44	46·1	+ 8·6	39	+ 7
	Glenlee Ⓢ	70	35	61·1	41·4	50·6	- 1·1	63	2	1	0·42	- 0·40	*	*	*	*
	Douglas (Isle of Man)	67	43	60·1	46·7	52·9	+ 0·7	76	0	1	0·10	- 0·48	62·7	+11·7	55	+10
7. ENGLAND, N.W.	Newton Reigny	69	40	60·6	44·1	51·8	+ 0·6	69	0	0	—	?	59·0	?	51	?
	Stonyhurst	64	42	60·3	46·7	53·0	0·0	77	0	1	0·01	- 0·78	59·5	+14·8	52	+13
	Blackpool Ⓜ	70	38	61·9	45·8	53·4	+ 0·7	80	0	1	0·01	- 0·51	52·7	+ 7·8	46	+ 7
	Manchester (Prestwich)	65	44	60·4	46·9	53·3	+ 0·1	79	0	1	0·02	- 0·67	52·5	?	46	?
	Liverpool Obsy. (Bidston)	68	42	60·6	47·6	53·7	+ 0·4	82	0	1	0·01	- 0·51	54·2	?	48	?
	Llandudno Ⓜ	64	44	60·1	48·5	54·0	0·0	84	0	0	—	- 0·49	67·9	+ 23·5	60	+21
	Holyhead	61	46	56·0	47·6	51·6	- 1·8	67	0	0	—	- 0·49	*	*	*	*
8. ENGLAND, S.W.	Llandovery	69	37	64·9	41·7	52·5	- 1·5	75	1	1	0·11	- 0·59	*	*	*	*
	Pembroke	63	44	59·0	48·1	53·4	+ 0·3	80	0	1	0·03	- 0·47	68·2	+17·2	60	+15
	Clifton	67	46	62·5	48·2	54·9	+ 1·0	90	0	2	0·15	- 0·43	*	*	*	*
	Arlington (N. Devon)	65	42	61·6	45·3	53·0	+ 0·7	77	0	2	0·31	- 0·44	*	*	*	*
	Cullompton Ⓜ	71	41	64·9	46·5	55·2	+ 0·8	92	0	1	0·12	- 0·31	48·9	+ 2·4	44	+ 2
	Falmouth	65	47	61·5	49·3	55·0	+ 0·8	91	0	1	0·29	- 0·21	63·1	+10·2	57	+ 9
	Plymouth	68	47	62·9	48·9	55·5	- 0·4	95	0	2	0·17	- 0·32	45·4	- 3·5	41	- 4
9. IRELAND, N.	Malin Head	60	46	56·9	49·3	52·9	+ 0·8	76	0	1	0·03	?	*	*	*	*
	Londonderry	68	41	65·0	46·4	55·1	+ 1·1	92	0	1	0·13	- 0·49	*	*	*	*
	Edenfel (Omagh)	73	37	65·7	44·0	54·1	+ 3·4	85	0	1	0·20	- 0·41	*	*	*	*
	Blacksod Point	67	46	61·3	49·0	54·8	+ 1·6	90	0	1	0·10	?	*	*	*	*
	Markree Castle	72	38	64·7	44·2	53·7	+ 1·2	82	0	1	0·23	- 0·44	72·5	+30·7	63	+27
	Armagh	67	39	63·7	44·9	53·7	+ 1·2	82	0	1	0·13	- 0·35	64·9	+23·4	56	+20
	Donaghadee	62	44	56·6	46·6	51·3	- 1·4	65	0	1	0·10	- 0·46	*	*	*	*
10. IRELAND, S.	Dublin	67	44	62·5	49·0	55·4	+ 1·0	94	0	0	—	- 0·50	71·6	+24·2	63	+21
	Parsonstown	68	40	64·9	45·1	54·4	+ 1·2	87	0	1	0·05	- 0·55	58·3	+17·5	51	+16
	Kilkenny	68	39	64·4	44·6	53·8	+ 0·3	83	0	1	0·02	- 0·48	*	*	*	*
	Roche's Point	67	45	60·6	48·7	54·3	- 0·4	86	0	1	0·10	- 0·62	*	*	*	*
	Valencia	68	41	63·1	47·4	54·8	+ 0·2	90	0	1	0·04	- 0·58	81·3	+33·5	72	+29
	Killarney	70	39	67·2	46·1	55·9	+ 2·1	97	0	1	0·05	?	*	*	*	*
	Foynes	71	45	66·6	48·1	56·8	+ 3·4	104	0	0	—	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	62	50	60·3	52·1	56·0	+ 1·5	98	0	0	—	- 0·45	68·1	?	61	?
	Jersey	67	45	62·9	48·9	55·5	- 0·2	95	0	3	0·46	- 0·02				

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society

* An Asterisk is inserted in all places for which the information is not usually received.

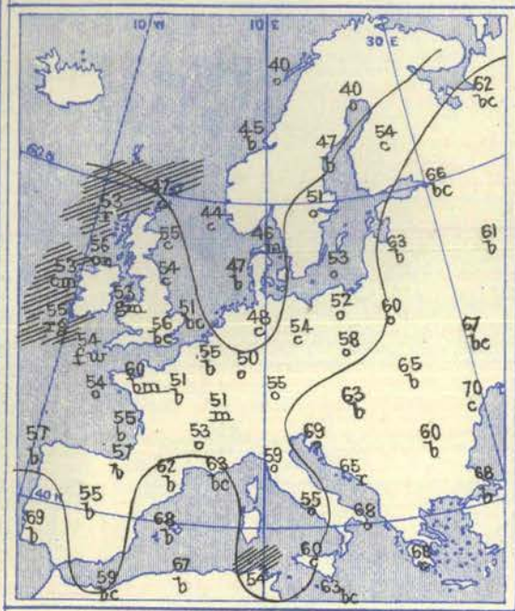
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

It will be observed that Swarraton has taken the place of Cranley in the list of stations in England S.

Sunday, 27th May.

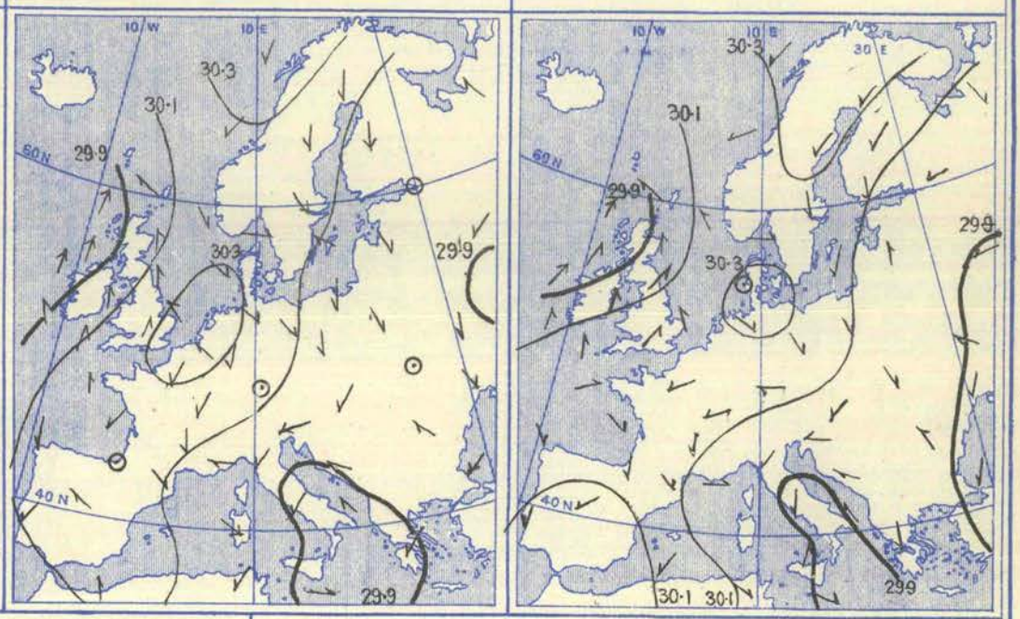
Temperature and Weather. 8 a.m.



Weather in morning dull and unsettled in the west and north of our Islands, with mist or fog and rain in many places. Fine in the western and northern parts of the Continent generally, and also in Austria; dull in Germany, Italy and Greece, with rain at Lesina. Slight rain falling later at our western and northern stations generally, and larger quantities in the south of Italy.

Temperature risen over western Europe, changed irregularly elsewhere. Morning readings highest, 70° at Odessa, 69° at Lisbon, and 68° at Barcelona, Palma, Brindisi, Athens and Constantinople; above 60° over southern and eastern Europe generally, and just reaching that point at Leith and Jersey. Lowest, 40° at Bedö and Haparanda, 41° at Ulcaborg, and 44° at Skudesnaes; lowest in our Islands 47° at Sumburgh Head. Rising during day to 65° and upwards in many parts of England, and to 71° in London; exceeding 75° over the Spanish Peninsula and northern Italy, and reaching 86° at Buda Pesth.

Barometer and Wind. 8 a.m. and 6 p.m.

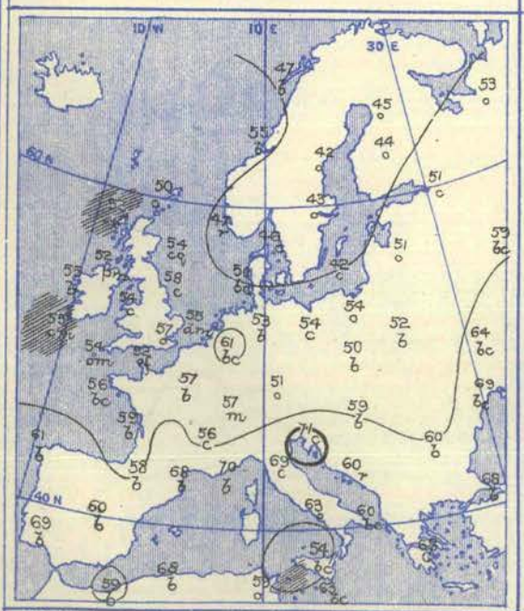


Wind Southerly in our Islands, and fresh or strong in force on our extreme north-west coast. Light to moderate from the Northward (North-East to North-West) over the western and northern parts of the Continent generally; variable in Italy; Easterly over the Spanish Peninsula; variable over Austria and the south of Russia. Subsequently varying to the South-Westward in most parts of the United Kingdom; shifting to the South-Eastward or Eastward in the west of Norway.

Barometer highest, 30·3 ins. and upwards over the Netherlands and the extreme south-east of England, and also over the north-west of Norway; 30·1 ins. and upwards in an anticyclone covering England and the western and northern parts of the Continent generally. Lowest, 29·9 ins. and less in three depressions, one lying to the westward of our Islands, another over Greece and southern Italy, and the third over the south of Russia. Depression off our western coasts subsequently moving northwards, and barometer rising again in Ireland.

Monday, 28th May.

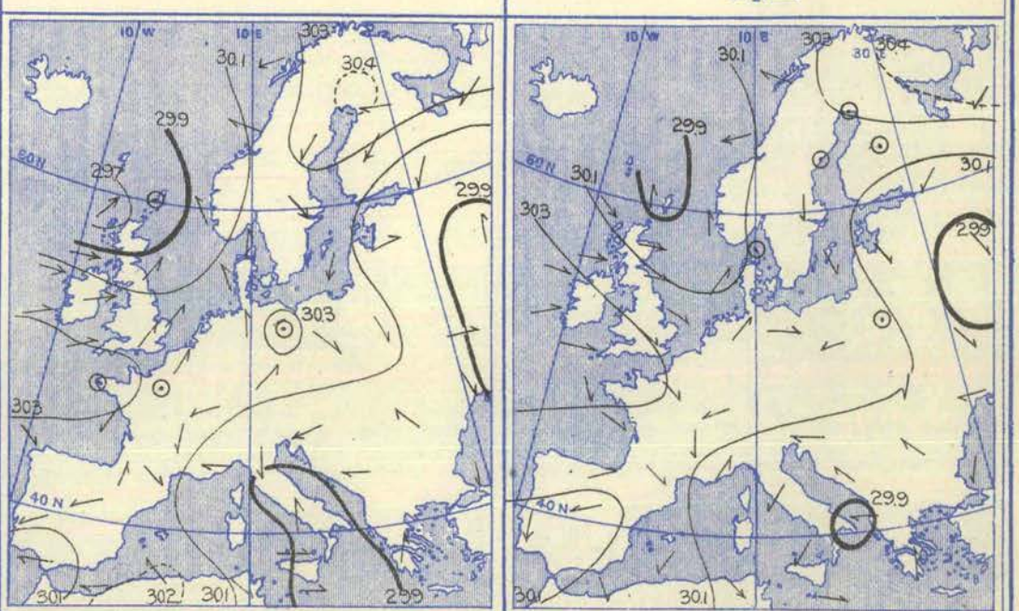
Temperature and Weather. 8 a.m.



Weather in morning fine on our west coasts, but dull in most other parts of the United Kingdom, with fog or mist over the English Channel, and with rain at Stornoway, Leith and Yarmouth. Fine over the greater part of the Continent, but cloudy over Greece and the central parts of Italy and the Adriatic, with rain at Lesina; dull also over northern Russia and the south of Scandinavia, with rain at Skudesnaes, slight rain falling later in the north of Scotland, and also over Holland and Germany.

Temperature risen in most countries, but fallen in Russia and Austria. Morning readings highest, 75° at Oporto, 71° at Trieste and Leghorn, and 70° at Nice and Barcelona; above 65° in many parts of southern Europe, and above 55° at most of the English and Irish stations. Lowest 42° at Hernösand and Wisby, 43° at Stockholm, and 44° at Kuopio. Rising during day to between 60° and 65° in many parts of the United Kingdom, and to 69° in London, exceeding 70° over Central Europe, and exceeding 80° in several parts of the southern countries the highest readings reported being 88° at Oporto, and 86° at Croisette.

Barometer and Wind. 8 a.m. and 6 p.m.



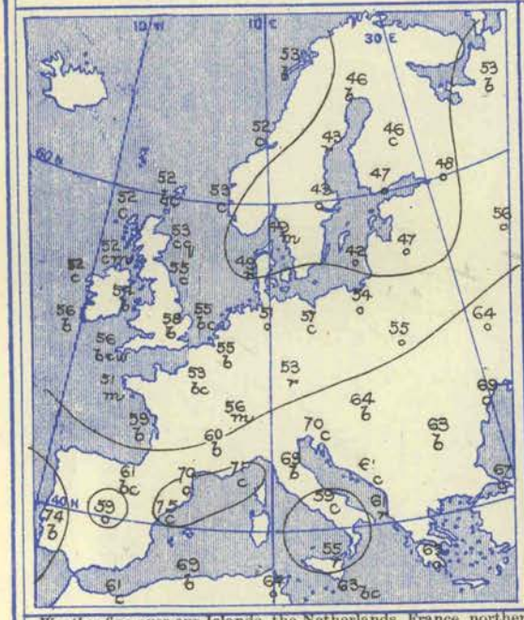
Wind light to fresh from the Westward in Ireland, and from the South-Westward over Great Britain; South-Easterly on the eastern shores of the North Sea, and strong in force at Skudesnaes. North-Easterly over Sweden and northern Russia; North-Westerly in Germany and Austria; light to moderate from the Eastward and North-Eastward over the Spanish Peninsula, the south of France, and northern Italy; variable over southern Italy; Southerly in Greece. Subsequently veering to the North-Westward in many parts of the United Kingdom; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards in Lapland; 30·3 ins. and upwards over north Germany, and also over the English Channel and north of France. Lowest, 29·7 ins. and less in a well-marked depression with its centre off the north-west of Scotland; 29·9 ins. and less in two shallow areas lying respectively over central and southern Russia, and over southern Italy and the neighbouring parts of the Mediterranean. Depression off Scotch coasts subsequently travelling north-eastwards and filling up; large anticyclone spreading over our Islands from the Atlantic.

Tuesday, 29th May.

Temperature and Weather.

8 a.m.

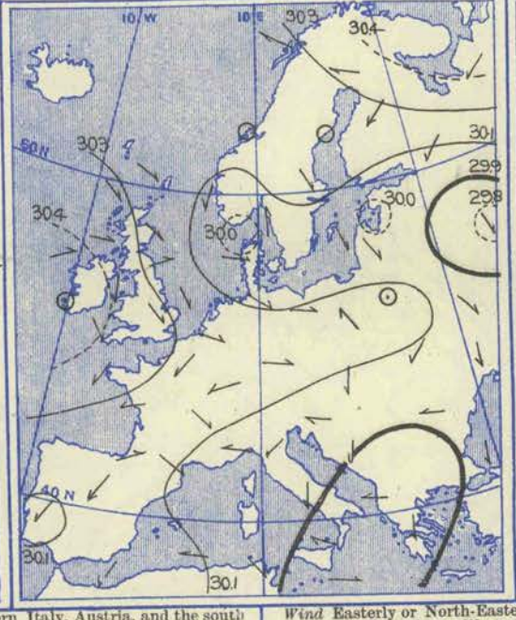


Weather fine over our Islands, the Netherlands, France, northern Italy, Austria, and the south of Russia, as well as in the extreme northern part of Russia and Scandinavia. Cloudy or dull elsewhere, with rain in a few isolated parts of Scandinavia, Denmark, and Germany. Rain falling later in most parts of Sweden, Denmark, Holland, and Germany, but weather in our Islands remaining very dry. Thunderstorms occurring at Nice.

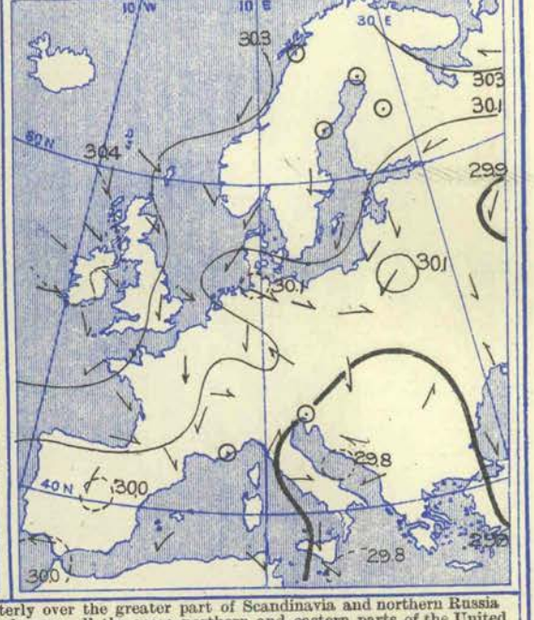
Temperature changed rather irregularly. Morning readings highest, 75° at Barcelona, 74° at Lisbon, 73° at Oporto, and 71° at Toulon; above 65° in many parts of southern Europe; highest, in our Islands 60° at Leith. Lowest, 42° at Wisby, and 43° at Hernösand and Stockholm, and 46° at Ulealborg, Kuopia, and Faerder. Daily maxima below 60° on many parts of our north-west, north, and east coasts, but thermometer reaching 65° or more at several of our central and southern stations, and touching 69° at Leith. Exceeding 80° in many parts of southern Europe.

Barometer and Wind.

8 a.m.



6 p.m.



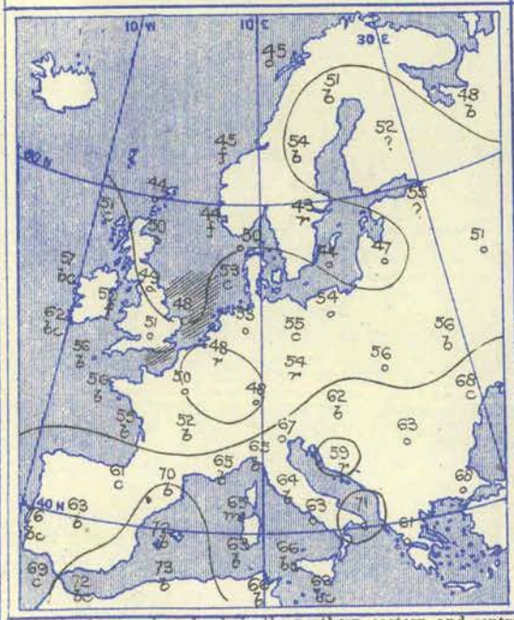
Wind Easterly or North-Easterly over the greater part of Scandinavia and northern Russia North-Westerly or Westerly over all the more northern and eastern parts of the United Kingdom, and also over the Netherlands, Denmark, Germany, and Austria, and strong in force on the north-east coast of Scotland. Light from the Northward on our own southern coasts, North-Easterly over the greater part of France, Spain, and Italy, but Westerly at some of the southern French stations. Subsequently veering to the northward at several of our own northern stations.

Barometer highest, 30·4 ins. and upwards to 30·2 ins. in an anticyclone over our Islands, France, and the Netherlands, and also in another system over the extreme northern parts of Russsa and Scandinavia. Lowest, 29·8 ins. in a depression over central Russia, 29·9 ins. and less, in a large shallow area over Greece and southern Italy, 30·0 ins. and less, in two depressions lying respectively off the west coast of Denmark and over the Baltic Provinces. Western anticyclone subsequently spreading north-eastwards over Scandinavia; Danish depression moving southwards to Germany.

Wednesday, 30th May.

Temperature and Weather.

8 a.m.

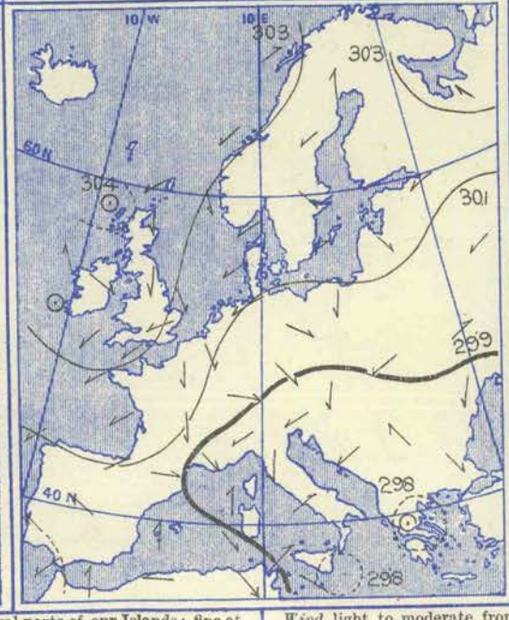


Weather in morning cloudy in the northern, eastern, and central parts of our Islands; fine at most of our western stations, but with fog in places. Fine over the greater part of France, Spain and Italy, as well as in the northern parts of Russia and Scandinavia; cloudy or dull in other parts of the Continent, with fog on the west coasts of Norway, and rain in the south of Sweden, as well as at Brussels, Breslau, Lesina, and Athens. Slight rain falling later on the eastern coasts of Great Britain, and also over the greater part of Germany and Austria.

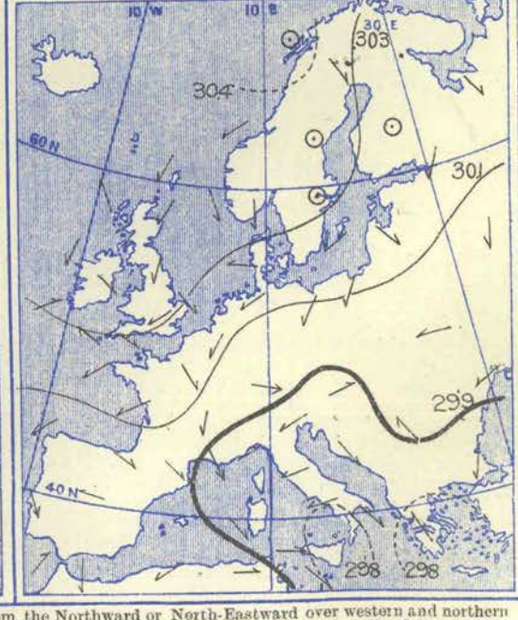
Temperature fallen in the western and central countries, risen elsewhere. Morning readings highest, 79° at Oporto, 76° at Lisbon, 73° at Algiers, and 72° at Palma; above 65° in many parts of southern Europe. Lowest, 43° at Stockholm, 44° at Wisby, Skudesnaes and Sumburgh Head, and 45° at Bodo and Christiansund. Daily maxima below 55° on many parts of our north-western, northern, and eastern coasts, but thermometer exceeding 60° at several of the western and southern stations, and reaching 67° at Parsonstown. Exceeding 70° in France, Italy and Austria, exceeding 80° over the Spanish Peninsula, and reaching 91° at Oporto.

Barometer and Wind.

8 a.m.



6 p.m.

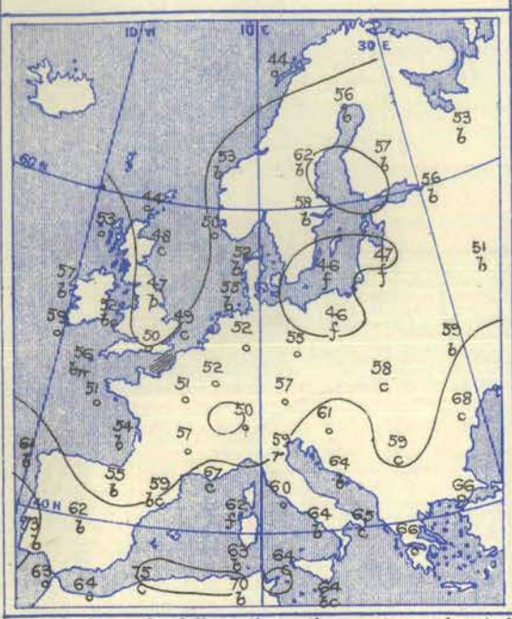


Wind light to moderate from the Northward or North-Eastward over western and northern Europe generally, and from the Eastward over the Spanish Peninsula. North-Westerly in Germany and Austria. Variable in Italy; light from the westward in the extreme south of France. No important change occurring during day.

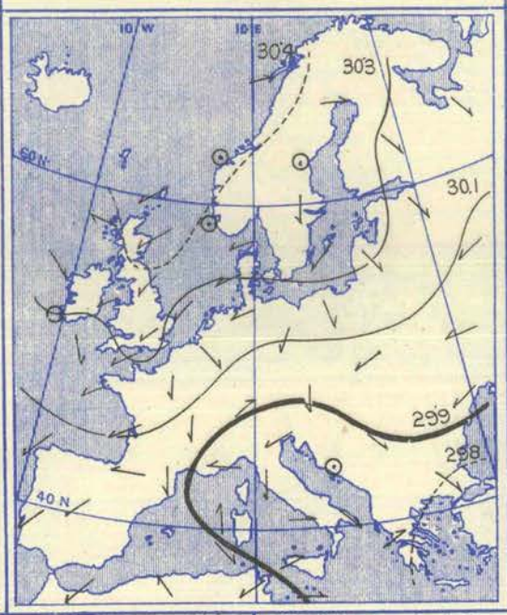
Barometer highest, 30·4 ins. and upwards in the north-west of Scotland, 30·2 ins. and upwards in an anti-cyclone covering the whole of north-western Europe. Lowest, 29·8 ins. and less in several shallow depressions lying over Italy, Greece, and the neighbouring points of the Mediterranean. No decided change taking place over Europe later.

Thursday, 31st May.

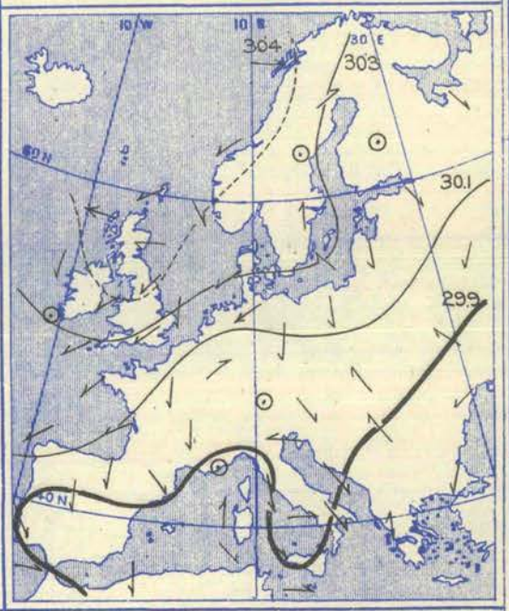
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over the northern, eastern, and central parts of our Islands, and also over the north of France, Belgium, and central Europe generally, rain falling at Cape Gris Nez, Frankfürt, Vienna and Trieste, and passing showers at Shields. Fine and bright in nearly all other parts of Europe, but foggy at some of the Baltic stations. A little rain falling at night in the east and south-east of England, and larger quantities over the Netherlands, Germany, and Austria.

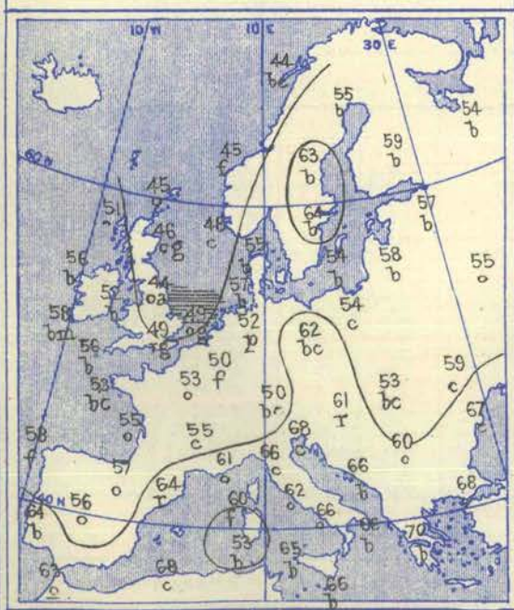
Temperature fallen over Great Britain, France, Spain, and northern Italy, risen in most other localities. Morning readings, 75° at Algiers, 73° at Oporto and Lisbon, and 72° at Sfax, above 60° in most other parts of southern Europe, and very little below it in the south of Ireland Lowest 44° at Bodö and Sumburgh Head, and 46° at Wick and Wisby; below 50° in the north and east of our Islands generally. Daily maxima below 55° on many parts of our northwest, north, and east coats, but thermometer exceeding 65° in the south of Ireland and also in the south of France, exceeding 80° in some parts of the Spanish Peninsula and southern Italy, and reaching 86 at Lisbon.

Wind light to moderate from the Northward or North-Eastward over western and northern Europe as a whole, but variable in Ireland, and calm at many of the Scandinavian stations. North-Westerly over Austria and Italy, Westerly over Greece and the central parts of the Mediterranean. No decided change over western Europe later.

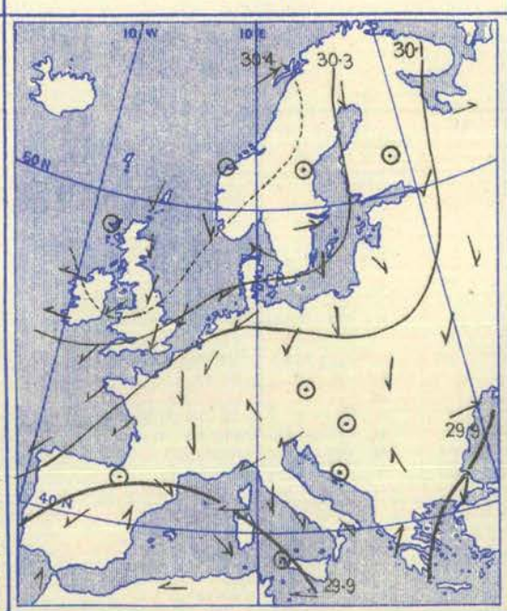
Barometer highest, 30·4 ins. and upwards over Scotland and the west of Norway; 30·2 ins. and upwards in an anticyclone, embracing the whole of north-western and northern Europe. Lowest, 29·8 ins. and less in a large shallow area over Asia Minor, and also (apparently) in a small depression over central Italy. Shallow disturbance beginning to form later over western Germany, and barometer falling slowly over that country, France, and the south and east of England.

Friday, 1st June.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather in morning dull in the eastern and central parts of Great Britain, and also over the Netherlands, France and Spain, with rain in several places. Fine in most other part of Europe, but dull in Austria, with rain at Buda Pesth. Rain falling generally later in the south and east of England and the neighbouring part of the Continent—rather heavily at Yarmouth and the Helder.

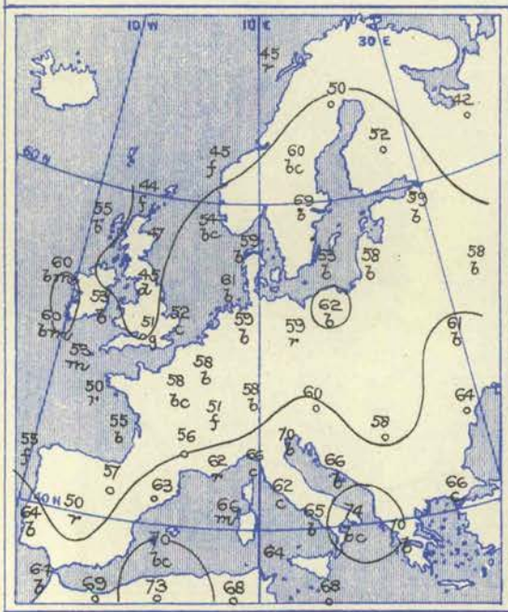
Temperature fallen in our Islands and also over the Spanish Peninsula, northern Italy and the Riviera, risen elsewhere. Morning readings highest, 70° at Patras, and 68° at Trieste, Algiers and Constantinople; about 60° over southern Europe generally, and also in some parts of Finland and Sweden. Lowest, 44° at Bodö and Shields, and 45° at Christiansund and Sumburgh Head; below 50° over the eastern and central parts of Great Britain generally. Daily maxima below 55° over the northern, eastern, and south-eastern parts of Great Britain, but thermometer exceeding 60° in Ireland and Wales. Exceeding 70° in Sweden and Denmark and most parts of central and southern Europe and reaching 84° at Breslau and 86° at Sanguinaire.

Wind Northerly or North-Easterly over western and northern Europe generally. Light or moderate in force in most places, but strong on the east and south-east coasts of England. Light from the Eastward in Ireland. Rather variable over Austria, south Germany, and central France; Northerly or North-Westerly in Italy. No important change occurring later.

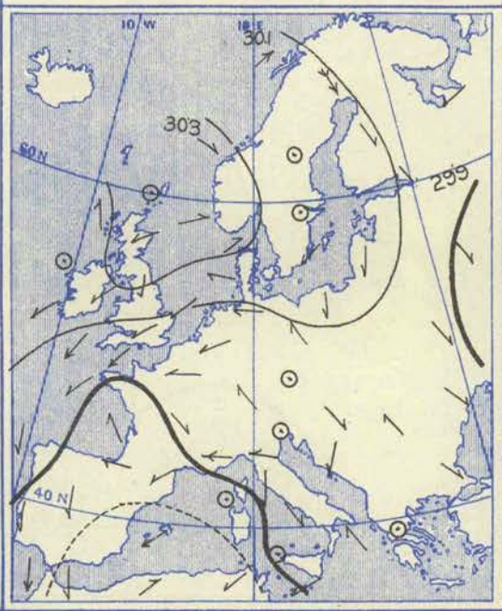
Barometer highest, 30·3 ins. and upwards in an anticyclone lying over all the more western and northern parts of our Islands, the North Sea, and Scandinavia. Lowest, 29·9 ins. and less in two large areas—one lying over Asia Minor, the Black Sea, and the south of Russia, and the other over Algeria and the southern parts of Spain—30·0 ins. and less in a shallow depression over the north-east of France and the adjacent parts of Germany. Depression subsequently moving south-westwards, barometer falling over western Europe generally.

Saturday, 2nd June.

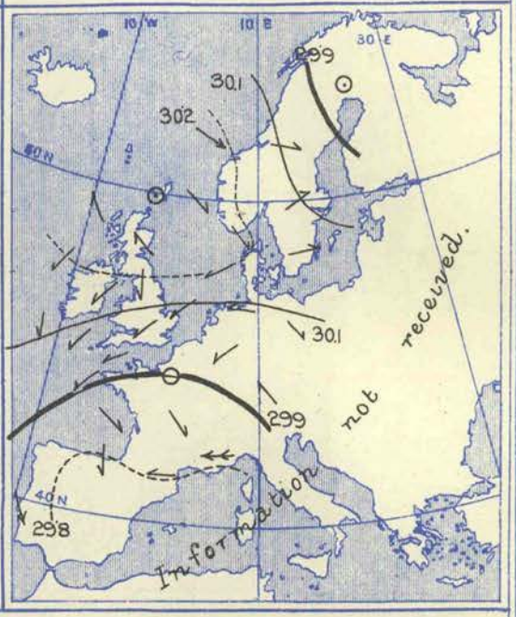
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull in the eastern and central parts of Great Britain, and also in France, Spain, Germany and Austria; drizzling rain reported at Shields and Jersey, and a more decided fall at Munster, Berlin, Nice and Madrid. Fine in most other parts of Europe, but dull in several parts of Russia and the north of Scandinavia, with rain at Bodö. Slight rain falling later at some of the English stations, and larger quantities in the south of France; lightning seen at night at Spurn Head and Jersey.

Temperature risen in most places. Morning readings highest, 74° at Brindisi, 73° at Algiers and Tunis, and 70° at Trieste, Patras and Palma; above 60° over southern and eastern Europe generally, and also in the south of Sweden. Lowest (1) 42° at Archangel, (2) 44° at Sumburgh Head, and 45° at Bodö, Christiansund and Shields. Daily maxima below 55° on many parts of our own north and east coasts, but thermometer exceeding 65° in the west of our Islands; exceeding 70° in Sweden, Denmark, Belgium, Germany and central France, and reaching 77° at Stockholm.

Wind light to moderate from the north-eastward and northward over northern and north-western Europe as a whole, but South-Easterly in the north of Scotland, and strong from south-west at Bodö. Easterly or South-Easterly over Germany and the south of France; Northerly over the Spanish Peninsula; variable in Italy and Austria. Westerly or South-Westerly winds setting in later at most of the Scandinavian stations.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying over northern Europe, and all but the southern parts of the United Kingdom. Lowest, 29·8 ins. and less in a large shallow area lying over Algeria and the adjacent parts of the Mediterranean; 29·9 ins. and less in a secondary hollow over the Bay of Biscay, and also in another area over central Russia. Anticyclone giving way partially later, and depression advancing over the north of Scandinavia from the westward.

GENERAL NOTES.

At the commencement of last week an anticyclone lay over England and the western and northern parts of the Continent, the weather in those regions being fine, dry, and fairly warm for the time of year. A shallow low pressure area was at the same time situated over Italy and Greece, and a more clearly marked depression off our west coasts, the latter system ultimately moving northward and north-eastward, and producing fresh Southerly to South-Westerly winds and rain in the west and north of our Islands generally.

On May 28th the anticyclone gave way, and on the following day a shallow depression, which was developed off the Danish coasts, moved southward to Germany, where it gradually dispersed. A new high pressure system was in the meantime extending over the United Kingdom from the south-westward, and in the course of the next two or three days this spread over the whole of north-western and northern Europe and occasioned fair dry weather in those regions, with light to moderate breezes from the North or North-East. Over southern Europe the weather, under the influence of shallow depressions, which formed over the Mediterranean, was less settled, with occasional falls of rain in many places.

Towards the close of the week the conditions over England and France were affected by a depression which developed over western Germany on the night of May 31st, and which afterwards moved in a south-westerly direction, its progress being attended by rain over France and the south and east of England, and by strong North-Easterly winds in the latter regions, with very cold weather for the time of year, the maximum temperature in London on June 1st being only 53°. On the following day the depression moved away over the Bay of Biscay, but the barometer fell slowly over western and northern Europe generally, the anticyclone began to give way, and there were signs of the advance of depressions from the Atlantic towards the north of Scandinavia.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 128.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	10·9	?	9	?	BRIGHTON	44·6	− 5·3	40	− 5
STRATHPEFFER SPA	42·7	+ 2·9	35	+ 2	WORTHING		?		?
EDINBURGH	30·9	− 6·9	26	− 7	BOGNOR	52·0*	?	47*	?
MORPETH	34·7	?	30	?	WATERGATE (Emsworth)	44·0	?	40	?
NEWCASTLE-ON-TYNE	19·5	?	17	?	WESTBOURNE (Emsworth)	44·3*	− 7·1	40*	− 8
OSWALDKIRK (Yorkshire)	37·0	− 2·9	32	− 2	VENTNOR HOSPITAL	44·9	?	40	?
YORK	30·3	−12·9	26	−12	SOUTHPORT	56·3	?	49	?
LOWESTOFT	29·2	?	26	?	RHYL	17·5*	?	62*	?
HOLLESLEY BAY	32·3	?	29	?	COLWYN BAY	53·8	?	47	?
SHEFFIELD	35·1	?	31	?	ABERDOVEY	66·2*	?	58*	?
WORKSOP	31·9	− 8·1	28	− 7	TENBY				
THURCASTON (Leicestershire)	38·5	− 3·3	34	− 4	NEWQUAY	57·9	+ 7·9	52	+ 6
MARGATE	29·1	− 5·9	26	−15	TORQUAY	53·5	+ 1·3	48	+ 1
EASTBOURNE					GUERNSEY	58·3	− 2·2	53*	− 3

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

Date of Report.	Name of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending April 7th, 1900	Cranley	° 57	° 32	° 51·7	° 35·6	° 43·3	° − 1·5	° 36	° 18	2	0·30	− 0·05	—	—	—	—
,, ,, ,, ,, ,,	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	28·8	?	32	?
,, ,, ,, 14th, ,,	Cranley	62	34	58·9	39·8	47·5	+ 1·3	48	6	3	0·09	− 0·29	—	—	—	—
,, ,, ,, ,, ,,	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	33·4	?	36	?
,, ,, ,, ,, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	28·4	− 11·2	30	−12

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 23.] *Third Series.* WEEK ENDING SATURDAY, JUNE 9TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 134.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	75	38	58·0	44·0	50·6	0 (average)	60	+ 4	0	- 2	428	- 28	638	+ 19
	1. SCOTLAND, EAST	70	36	56·5	42·2	48·8	4 below	48	-22	0	- 1	486	- 95	697	+ 48
	2 ENGLAND, N.E.	68	36	57·2	43·9	50·1	3 below	57	-17	0	- 1	512	- 60	518	- 31
	3. ENGLAND, EAST	73	45	64·3	48·8	56·0	1 above	28	+10	0	- 1	673	- 69	530	- 87
	4. MIDLAND COUNTIES	75	41	67·3	48·3	57·1	2 above	106	+16	0	- 1	678	- 94	567	- 52
	5. ENGLAND, SOUTH	81	40	67·2	50·2	58·2	2 above	113	+18	0	- 1	787	- 30	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	75	35	67·1	47·5	56·7	3 above	103	+26	0	- 1	610	- 21	506	- 44
	7. ENGLAND, N.W.	74	38	65·6	49·6	57·0	3 above	105	+23	0	- 1	606	- 50	452	- 7
	8. ENGLAND, S.W.	78	41	65·8	50·9	57·8	3 above	111	+22	0	0	780	- 22	336	- 25
	9. IRELAND, NORTH	76	41	66·4	50·0	57·6	4 above	109	+30	0	- 1	656	- 56	415	+ 29
	10. IRELAND, SOUTH	76	43	64·8	51·2	57·5	2 above	109	+23	0	0	823	- 34	373	+ 74
	—CHANNEL ISLANDS	67	51	62·6	53·0	57·5	1 above	109	+15	0	0	1049	+122	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 134.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	4	3 less	109	+ 4	19·7	- 0·3	36	+ 3	28	+ 3	523	+32	28	+ 2
	1. SCOTLAND, EAST	3	3	2 less	90	+ 7	12·5	+ 0·4	28	-14	23	-13	513	-60	27	- 3
	2. ENGLAND, N.E.	3	4	1 less	80	0	10·7	+ 0·9	30	-10	26	- 9	488	-86	25	- 5
	3. ENGLAND, EAST	4	5	0 (average)	84	+ 7	11·3	+ 2·1	47	- 7	41	- 7	655	-35	32	- 2
	4. MIDLAND COUNTIES	3	3	3 less	78	+ 3	12·3	+ 1·5	45	+ 5	40	+ 4	539	-23	30	- 1
	5. ENGLAND, SOUTH	2	3	1 less	75	+ 2	12·1	+ 1·1	62	+11	55	+ 9	668*	-28	34	- 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	3	4 less	93	+ 4	20·5	- 0·5	47	+ 2	40	+ 1	619	+25	32	+ 1
	7. ENGLAND, N.W.	3	3	3 less	82	+ 1	13·5	+ 1·0	47	+ 7	41	+ 5	643	+52	34	+ 3
	8. ENGLAND, S.W.	3	8	2 more	87	+ 5	18·9	+ 3·2	44	- 8	39	- 7	719*	- 1	38	0
	9. IRELAND, NORTH	4	3	3 less	100	+ 6	14·0	+ 0·5	46	+ 4	40	+ 3	612	+37	32	+ 2
	10. IRELAND, SOUTH	5	12	6 more	91	+ 3	16·5	+ 0·4	39	- 6	34	- 6	650	- 9	34	0
	— CHANNEL ISLANDS	3	2	2 less	94	+ 5	15·9	+ 2·9	59	+ 6	53	+ 5	796*	+ 4	43	0

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period varied considerably in different parts of the Kingdom. Over Great Britain the earlier half of the week was generally fine and dry, with, however, a good deal of fog on the east and north-east coasts. Later on very variable conditions prevailed, thunderstorms alternating with fine bright intervals. Over Ireland the week commenced with thunderstorms in the south and fine weather in the north; rain continued to fall frequently in the south-west and west throughout the week, and gradually extended to the northern and eastern parts of the Kingdom.

Temperature was three or four degrees below the mean in Scotland E. and England N.E., and just equal to it in Scotland N. Elsewhere it was above the normal, the excess ranging from one degree in England E. and the Channel Islands, to four degrees in Ireland N. The highest of the maxima were recorded mostly either on the 3rd or 4th, but towards the end of the week in the extreme east and north-east. They ranged from 81° in England S. and 78° in England S.W. to 68° in England N.E., and to 67 in the Channel Islands. The lowest of the minima, which were registered during the early or middle part of the week, ranged from 35° in Scotland W., and 36° in Scotland E. and England N.E., to 45° in England E., and to 51° in the Channel Islands.

Rainfall exceeded the mean in England S.W. and Ireland S., and was just equal to it in England E.; in all other districts it was less than the normal.

Bright Sunshine varied greatly; it was generally deficient in the north and east, and in excess elsewhere. The percentage of the possible duration ranged from 55 in England S., and 53 in the Channel Islands, to 25 in England N.E., and 23 in Scotland E.

Barometer and Wind.—During the earlier half of the week the barometer was highest in the north and lowest in the south and south-east, and the resulting Easterly and North-Easterly winds were mostly moderate or light. By Wednesday, however, the barometer had risen in the south, the northern high pressure had partially dispersed, and a depression had appeared off our north-west coasts. During the remainder of the period pressure was highest in the south, with depressions spreading over us from the westward, and local thunderstorm disturbances appearing in various parts of Great Britain. The wind consequently became mainly South-Westerly or Southerly, and occasionally blew rather freshly in the south and west.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 133 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	52	38	50·3	42·6	46·2	− 2·0	29	0	2	0·13	− 0·34	*	*	*	*
	Stornoway	66	44	60·1	45·4	52·2	+ 1·9	71	0	3	0·53	− 0·11	53·4	+11·1	43	+ 8
	Wick	57	42	53·1	44·3	48·4	− 1·9	45	0	1	0·05	− 0·33	*	*	*	*
	Lairg Ⓢ	75	40	58·4	41·6	49·6	− 1·4	55	1	4	0·29	− 0·23	*	*	*	*
	Glencarron Ⓢ	73	41	62·2	42·3	51·6	− 0·1	67	0	3	0·66	− 0·55	*	*	*	*
	Fort Augustus Ⓢ	62	44	56·6	45·4	50·6	− 1·9	60	0	3	0·13	− 0·31	38·8	+ 9·3	32	+ 8
	Fort William Ⓢ	75	44	65·4	46·5	55·6	+ 2·4	95	0	2	0·89	+ 0·04	53·2	+12·9	44	+1(
1. SCOTLAND E.	Nairn	61	42	54·7	43·3	48·6	− 4·3	46	0	2	0·09	− 0·34	*	*	*	*
	Aberdeen	61	38	52·4	43·0	47·4	− 5·0	38	0	2	0·15	− 0·32	15·3	−30·5	13	−25
	Braemar Ⓢ	70	37	61·4	40·1	50·0	− 0·5	64	5	4	0·39	− 0·11	39·5†	− 3·3†	33†	− 4†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	63	40	55·7	44·1	49·5	− 4·5	53	0	4	0·25	− 0·21	*	*	*	*
	Marchmont Ⓢ	66	36	58·1	40·6	48·7	− 3·6	53	4	3	0·56	− 0·04	38·0	− 4·9	32	− 4
2. ENGLAND, N.E.	Alnwick Castle	62	37	57·0	42·0	49·0	− 3·0	49	0	2	0·47	− 0·04	*	*	*	*
	Durham	67	36	61·1	41·7	50·7	− 2·9	62	1	3	0·06	− 0·44	24·4	− 5·8	21	−13
	Shields	62	40	52·1	42·3	46·9	− 5·5	34	0	4	0·81	+ 0·39	*	*	*	*
	Scarborough Ⓜ	68	44	56·8	44·7	50·3	− 3·2	58	0	3	0·15	− 0·35	*	*	*	*
	Spurn Head	65	44	58·9	48·6	53·4	− 0·2	80	0	4	0·46	+ 0·03	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	70	46	64·0	48·4	55·7	+ 0·6	96	0	4	0·73	+ 0·21	36·5	−11·5	32	−10
	Yarmouth	66	47	59·9	49·4	54·3	− 0·2	86	0	3	0·12	− 0·35	*	*	*	*
	Geldeston	68	46	63·7	48·3	55·5	+ 0·8	95	0	4	0·52	+ 0·09	32·9	−18·2	29	−17
	Cambridge	73	45	66·6	48·1	56·7	+ 0·4	103	0	4	0·62	+ 0·12	43·4	− 4·1	38	− 3
	Felixstowe	68	47	64·9	49·9	56·9	+ 2·4	104	0	3	0·32	?	68·8†	?	60†	?
	Rothamsted	71	45	66·6	48·5	56·9	+ 1·6	104	0	4	0·37	− 0·11	50·9	+ 5·3	45	+ 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	74	44	69·6	47·6	57·8	+ 2·4	111	0	2	0·16	− 0·37	*	*	*	*
	Loughborough	74	45	67·3	48·3	57·1	+ 0·6	106	0	3	0·40	− 0·12	*	*	*	*
	Cheadle Ⓜ	71	44	64·9	48·2	56·0	+ 2·6	98	0	4	0·46	− 0·19	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	72	44	66·3	48·3	56·7	+ 1·5	103	0	2	0·22	− 0·36	40·9	?	36	?
	Churchstoke Ⓜ	71	46	66·1	49·0	57·0	+ 3·3	105	0	3	0·19	− 0·37	48·9	+ 4·7	43	+ 4
	Hereford (Belmont) Ⓜ	75	42	68·6	48·9	58·1	+ 1·9	113	0	3	0·32	− 0·20	*	*	*	*
	Cirencester	71	41	67·6	47·6	56·9	+ 2·5	104	0	3	0·16	− 0·39	54·6	+ 8·6	48	+ 7
	Oxford	73	41	68·0	48·1	57·4	+ 1·4	108	0	3	0·15	− 0·38	52·1	+ 6·5	46	+ 5
5. ENGLAND, S.	London	77	46	70·0	50·1	59·4	+ 2·1	122	0	3	0·10	− 0·38	48·7†	+ 6·5†	43†	+ 5†
	Swarraton (Alresford) Ⓜ	74	40	67·6	47·6	56·9	+ 0·9	104	0	3	0·39	?	*	*	*	*
	Dungeness	67	50	63·6	52·1	57·5	+ 1·8	109	0	2	0·03	− 0·39	51·4	?	45	?
	Hastings (St. Leonards)	71	48	65·6	51·3	58·0	+ 2·5	112	0	1	0·30	− 0·13	68·4	+13·4	61	+12
	Southampton	81	48	71·6	51·0	60·6	+ 3·6	130	0	3	0·40	− 0·05	59·8	+ 9·7	53	+ 7
	Portland Bill	74	45	65·0	49·3	56·6	+ 1·9	102	0	1	0·04	?	*	*	*	*
	Shaftesbury Ⓜ	72	?	66·2	?	?	?	?	?	3	1·00	+ 0·55	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	73	47	67·3	49·7	57·9	+ 4·5	111	0	4	0·39	− 0·56	*	*	*	*
	Glasgow	73	43	65·2	45·7	54·8	+ 1·5	90	0	4	0·34	− 0·35	32·9	− 5·5	27	− 5
	Glenlee Ⓢ	75	35	71·4	45·6	58·0	+ 4·7	112	0	4	0·22	− 0·48	*	*	*	*
	Douglas (Isle of Man)	70	46	64·3	48·8	56·0	+ 2·6	98	0	3	0·25	− 0·30	60·3	+ 8·6	52	+ 7
7. ENGLAND, N.W.	Newton Reigny	74	38	68·2	43·1	54·8	+ 2·3	90	0	4	0·14	?	43·8	?	37	?
	Stonyhurst	70	44	65·3	49·6	56·9	+ 2·5	104	0	3	0·33	− 0·47	37·1	+12·0	49	+10
	Blackpool Ⓜ	74	45	67·4	50·0	58·1	+ 3·9	113	0	2	0·24	− 0·28	50·3	+ 5·1	43	+ 4
	Manchester (Prestwich)	72	44	65·9	49·5	57·1	+ 2·7	106	0	3	0·43	− 0·27	46·6	?	40	?
	Liverpool Obsy. (Bidston)	72	48	66·1	51·0	58·0	+ 3·3	112	0	4	0·23	− 0·29	39·3	?	34	?
	Llandudno Ⓜ	68	50	64·9	52·9	58·5	+ 3·2	116	0	3	0·03	− 0·45	47·4	+ 2·4	41	+ 2
	Holyhead	65	49	61·1	51·0	55·7	+ 1·0	96	0	4	0·33	− 0·15	*	*	*	*
8. ENGLAND, S.W.	Llandovery	78	41	69·6	48·6	58·1	+ 3·0	113	0	4	1·63	+ 0·93	*	*	*	*
	Pembroke	68	50	60·3	52·0	55·9	+ 1·7	97	0	5	2·17	+ 1·67	36·8	−16·0	32	−14
	Clifton	72	44	66·9	50·6	58·1	+ 3·1	113	0	2	0·05	− 0·52	*	*	*	*
	Arlington (N. Devon)	72	46	65·7	49·6	57·1	+ 3·7	106	0	4	0·62	− 0·13	*	*	*	*
	Cullompton Ⓜ	75	46	68·8	50·5	59·0	+ 3·4	119	0	2	0·31	− 0·17	37·6	− 9·4	33	− 9
	Falmouth	68	52	63·8	53·4	58·2	+ 2·7	113	0	4	0·31	− 0·23	44·3	− 9·2	40	− 8
	Plymouth	69	51	65·3	52·4	58·4	+ 1·2	115	0	3	0·30	− 0·18	47·4	− 1·6	42	− 2
9. IRELAND, N.	Malin Head	69	50	63·9	52·4	57·8	+ 4·6	111	0	2	0·03	?	*	*	*	*
	Londonderry	74	48	70·2	50·4	59·7	+ 4·5	124	0	5	0·16	− 0·46	*	*	*	*
	Edenfel (Omagh)	76	45	68·3	49·3	58·1	+ 5·9	113	0	5	0·43	− 0·18	*	*	*	*
	Blacksod Point	71	46	63·3	49·9	56·1	+ 1·5	99	0	5	0·70	?	*	*	*	*
	Markree Castle	73	41	65·9	49·5	57·1	+ 3·7	106	0	4	0·69	+ 0·01	42·7	+ 1·2	37	+ 1
	Armagh	74	46	68·8	49·9	58·7	+ 5·1	117	0	2	0·07	− 0·43	49·9	+ 8·0	43	+ 7
	Donaghadee	69	45	64·4	48·4	55·8	+ 1·8	97	0	4	0·15	− 0·40	*	*	*	*
10. IRELAND, S.	Dublin	71	51	66·2	52·9	59·1	+ 3·4	120	0	5	0·42	− 0·08	40·7	− 6·4	35	− 6
	Parsonstown	73	46	66·0	51·0	58·0	+ 3·6	112	0	7	0·56	− 0·04	34·9	− 5·9	30	− 5
	Kilkenny	72	47	65·1	51·3	57·7	+ 3·1	110	0	5	0·74	+ 0·23	*	*	*	*
	Roche's Point	66	52	61·7	54·1	57·6	+ 1·5	109	0	2	1·35	+ 0·62	*	*	*	*
	Valencia	70	47	62·3	50·1	55·8	+ 0·3	97	0	6	2·17	+ 1·49	41·4	− 6·6	36	− 7
	Killarney	74	46	66·1	50·6	57·8	+ 3·2	111	0	7	1·99	?	*	*	*	*
	Foynes	76	43	65·9	48·3	56·5	+ 1·8	102	0	4	0·90	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	66	51	62·3	52·6	57·1	+ 1·4	106	0	4	0·39	− 0·06	47·4	?	42	?
	Jersey	67	52	62·9	53·3	57·8	+ 1·0	111	0	1	0·08	− 0·39	60·1	+ 2·3	54	+ 2

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society

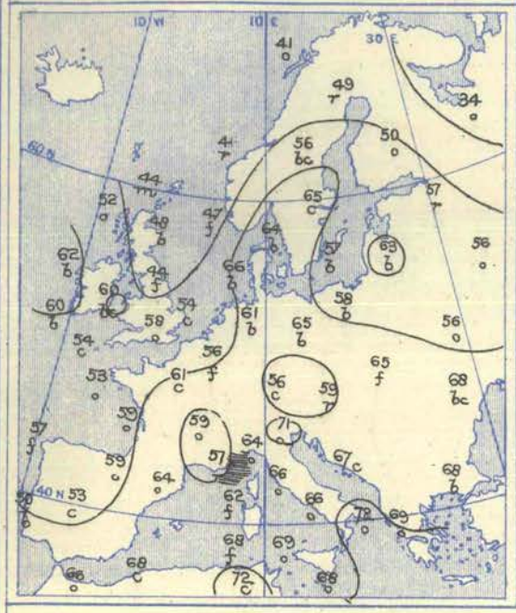
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

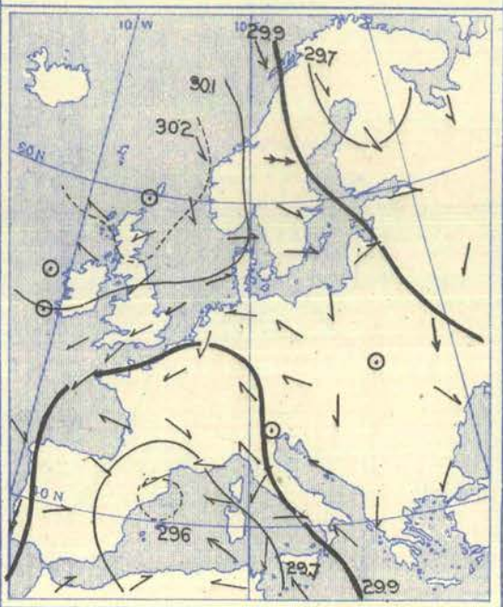
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 3rd June.

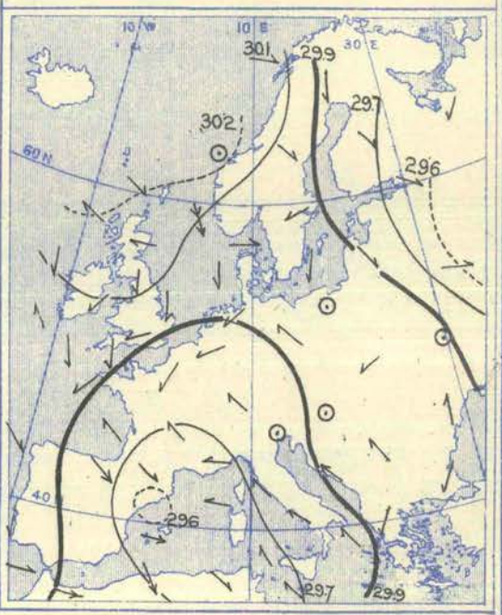
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Hungary, north Germany, the southern parts of Scandinavia, Scotland and Ireland; dull over the east and south-east of England and over France and the Mediterranean; rainy at Christiansund, in many parts of Sweden and in Finland. Remaining fine later over the bulk of our Islands, but a heavy thunderstorm occurring in the south of Ireland and very heavy rain falling over Italy and the southern parts of France. Sky clearing over south-east of England at night.

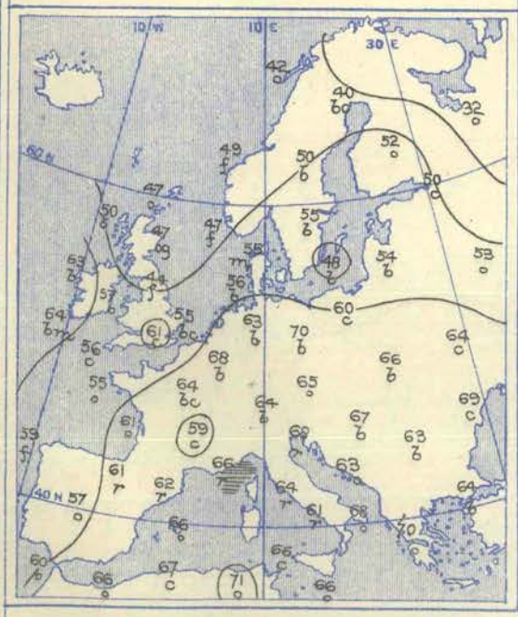
Temperature risen over the greater part of western Europe. Morning readings highest, 73° at Sfax, 72° at La Calle and Brindisi, 69° at Patras, above 60° all over Italy and central Europe, 62° to 60° on our extreme west and south-west coasts. Lowest, 34° at Archangel, 41° at Bodö, 46° at Uleaborg, 44° at Sumburgh Head, 48° at Aberdeen. Rising later to 70° and more over England, to 74° at Belfort, 78° at Paris, 82° at Berlin, 80° at Utrecht, 86° at Florence and Naples. Not so high in Algeria.

Wind (1) light to moderate and anticyclonic (Northerly to Easterly) over Norway and the north of our Islands; (2) rather fresh (cyclonic) from between West and North over Sweden and Finland, and from between South-East and North-East over Italy, central Europe and France; North-Westerly in Spain.

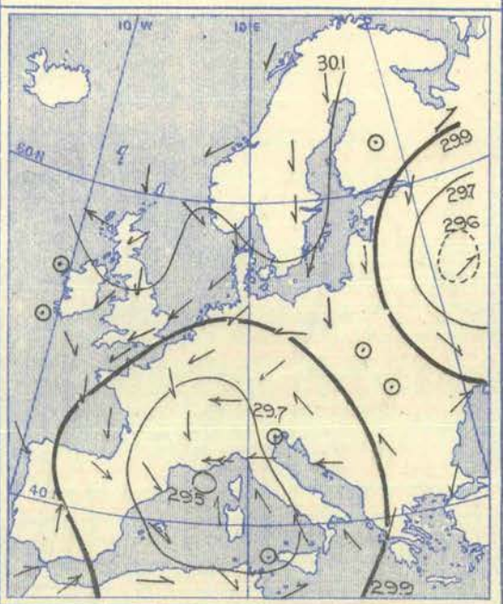
Barometer highest, 30·2 ins. and more to 30·1 ins. over north-western Europe and the north and west of our Islands, and exceeding 30·0 ins. in a "ridge" extending southwards from Sweden over eastern Germany and Austria-Hungary to Turkey. Lowest, (1) 29·7 ins. and less in a depression over the east of Lapland, and below 29·8 ins. in a secondary over the east of Finland; (2) 29·7 ins. and less to 29·8 ins. over the Mediterranean and south of France. The Mediterranean disturbance spreading northwards later, that over northern Europe moving south-eastwards to Russia.

Monday, 4th June.

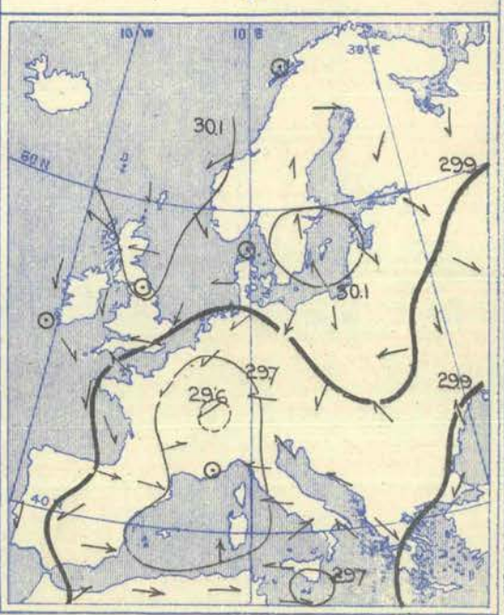
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over north-western Europe as a whole, but dull at some of our northern stations; dull also in the south-west and south of France, rainy at Biarritz and Nice, fine and bright over central Europe. Rain and thunder later in the southern parts of France, and a heavy thunderstorm (very local) at Pembroke—continuing fair over the northern and north-western parts of Europe and the British Islands as a whole.

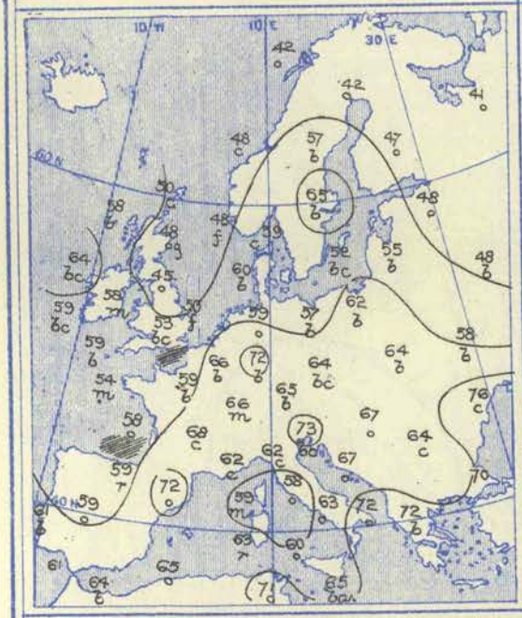
Temperature fallen over Russia and northern Europe. Morning readings highest, 71° at La Calle, 70° at Patras, and above 60° over the Mediterranean, central Europe, and several parts of France, England, and Ireland (69° at Frankfort). Lowest, 32° at Archangel, 40° at Haparanda, and below 50° in the northern and north-eastern parts of Great Britain, rising later to more than 70° in many parts of England and at Parsonstown, to 83° at Paris, 84° at Lyons, 86° at Frankfort.

Wind (1) light and variable, but mainly Northerly over Scandinavia and Scotland; (2) Easterly and South-Easterly over central Europe, North-Easterly over the east of England, Northerly over the west of France, Northerly over Spain; (3) Northerly in the west of Russia, Westerly in the south, South-Westerly at Moscow. The North-Easterly wind freshening over our eastern counties later, and "backing" a little.

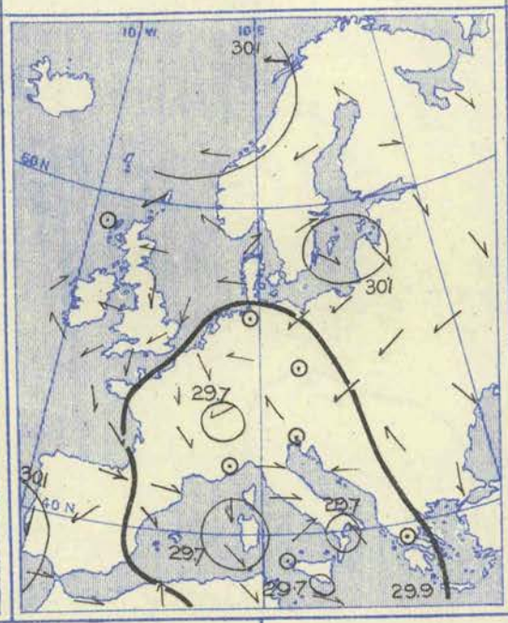
Barometer highest, 30·1 ins. and more to 30·0 ins. over the whole of Scandinavia and the northern parts of the North Sea and the British Isles. Lowest 29·5 ins. to 29·6 ins. in a depression having its centre near Toulon; (2) 29·6 ins. and less in another near Moscow. Former depression moving northwards later, latter moving westwards to Sweden, but barometer rising over northern Europe.

Tuesday, 5th June.

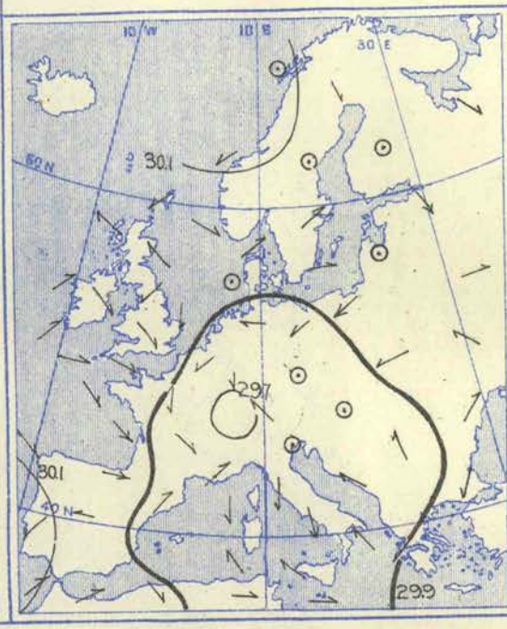
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part both of the Continent and the British Islands, but dull in places, and not of a really settled type. Rain later—in large quantity at Lyons, with a thunderstorm—in smaller quantity over parts of our eastern counties, and a little still later in Ireland. Appearance of sky in London very unsettled in evening.

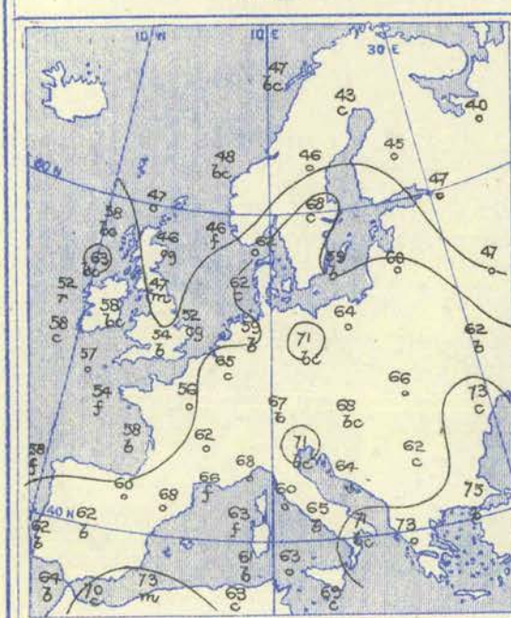
Temperature fallen considerably over England and France. Morning readings highest, (1) considerably above 60° all over the Mediterranean, southern and central Europe, 65° (locally) at Stockholm, 59° at Paris, Scilly and Valencia; (2) above 60° in the north-west of Ireland. Lowest, 41° to 42° over the extreme north of Europe, 48° at St. Petersburg and at Aberdeen, 47° at Leith. Rising later to between 66° and 63° over the greater part of our Islands, but touching 74° (locally) at Portland Bill, 82° at Lyons, 84° at Berlin and 86° at Frankfort.

Wind (1) light and exceedingly variable over the western and northern parts of our Islands, Easterly in the west of Norway; (2) a small cyclonic circulation round a local depression over the Baltic (3) a larger circulation round shallow depressions over France and the Mediterranean. Little change reported later, but a Southerly to South-Westerly breeze beginning to encroach slowly over Ireland and South-Easterly in Scotland.

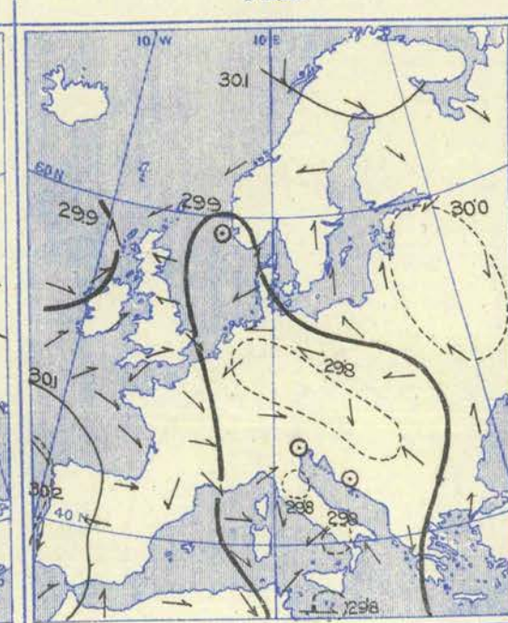
Barometer highest, (1) 30·3 ins. in the Azores, and 30·1 ins. and more to 30·0 ins. over the Iberian Peninsula; (2) 30·1 ins. and more in the north-west of Norway, and exceeding 30·0 ins. over the greater part of Scandinavia and all the northern parts of our Islands. Lowest, (1) 30·0 ins. and less at Hernosand and in the neighbourhood; (2) 29·7 ins. and less in a large complex depression (having several minima) over the Mediterranean and France. Latter disturbance moving north-eastwards later, and a new one appearing off our western coasts.

Wednesday, 6th June.

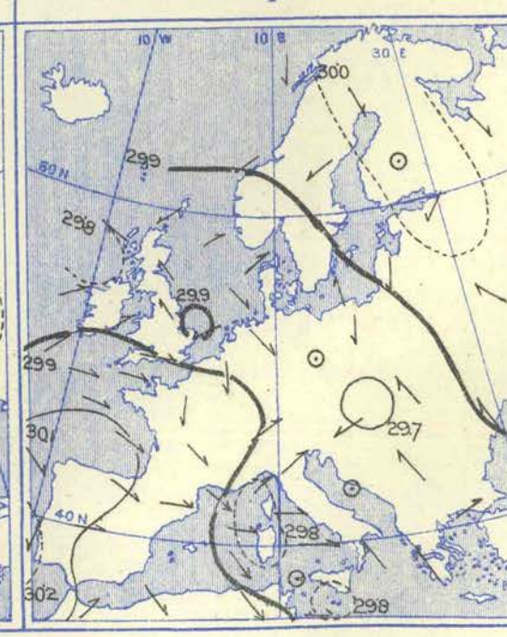
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair but rather changeable over the western countries and some of the northern parts of Russia, with rain at Blacksod Point, the Helder and Limoges, and fog or haze at several stations. Fine over central Europe, Italy and the south of Russia. Small quantities of rain later almost all over the British Islands, most in the east where thunder occurred locally.

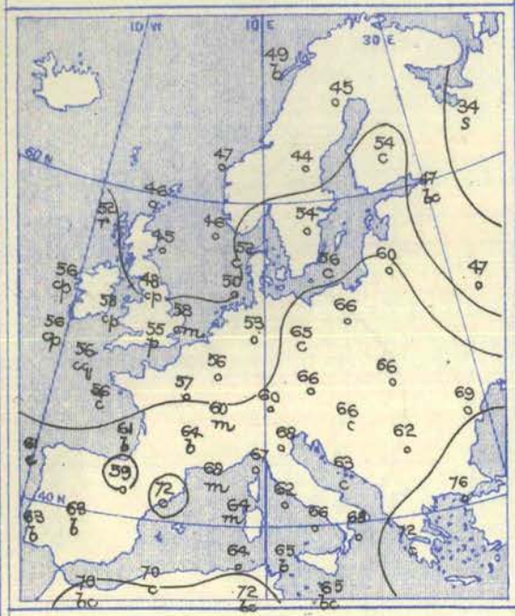
Temperature changing fitfully. Morning readings highest, (1) 75° at Constantinople, 73° at Patras and Algiers, 68° at Barcelona and Leghorn; (2) 73° at Nicolaieff, 72° at Frankfürt, 71° at Berlin and Trieste, and considerably above 65° over central Europe generally, 68° at Stockholm; (3) 63° at Malin Head, 61° at Parsonstown, and above 55° on our south-west coasts. Lowest, 40° at Archangel, 43° at Haparanda, and below 50° over all the northern parts of Scandinavia and the north-eastern parts of Great Britain. Maxima occurring later of 74° to 70° over central England, 77° at Paris, and 80° to 86° over Germany.

Wind very variable. Mainly Easterly over the northern parts of Scandinavia and in Scotland, Easterly and South-Easterly over Germany. Various currents of wind much intermingled elsewhere—chiefly from between north and west. A South-Westerly wind coming in over Ireland. Frequent changes locally later, but the South-Westerly current slowly gaining ground over Ireland and England.

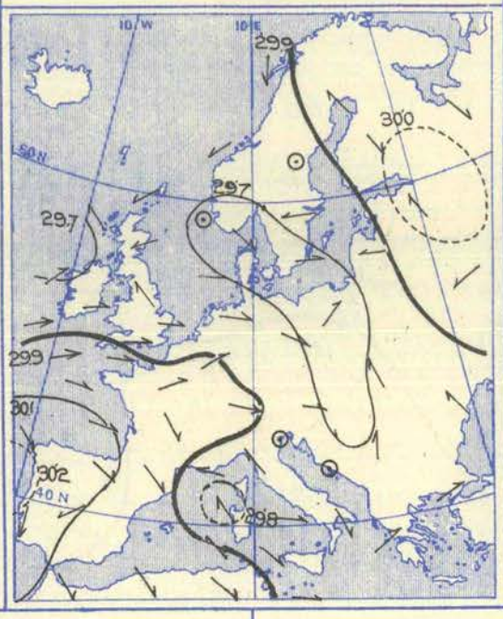
Barometer highest, (1) 30·38 ins. in the Azores, and 30·2 ins. to 30·0 ins. over the Spanish Peninsula, the Bay of Biscay, the west of France, and the south-west of England; (2) 30·1 ins. and more to 30·0 ins. over the Kola Peninsula and the north of Scandinavia. Lowest, (1) 29·75 ins. to 29·9 ins. all over south-eastern and central Europe and the eastern part of the North Sea; (2) below 29·9 ins. in a new depression approaching the west of Scotland from the westward. Latter system moving further inland later, and local shallow disturbance appearing over the North Sea and east of England.

Thursday, 7th June.

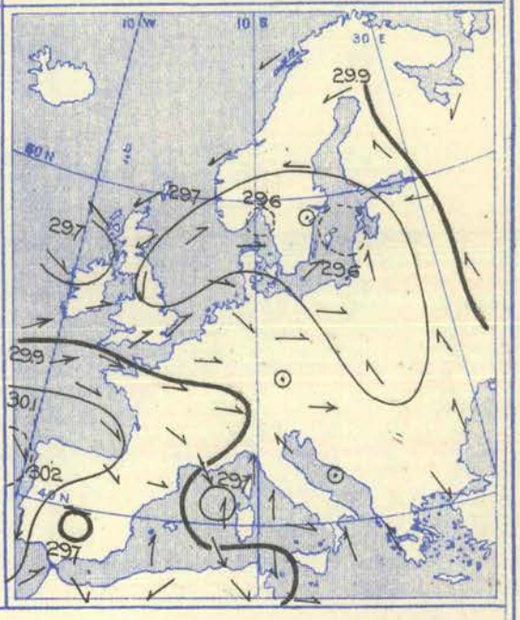
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the Spanish Peninsula, the south-western half of France, and also in parts of Finland; very variable in other regions, unsettled over Germany, showery over the British Islands and their neighbourhood, with thunder at times over our eastern districts. Showers falling later very generally in Ireland, England, and the south and west of Germany, sporadically in Sweden and France; considerable rain at Shields (0·3 ins.), thunder in several places.

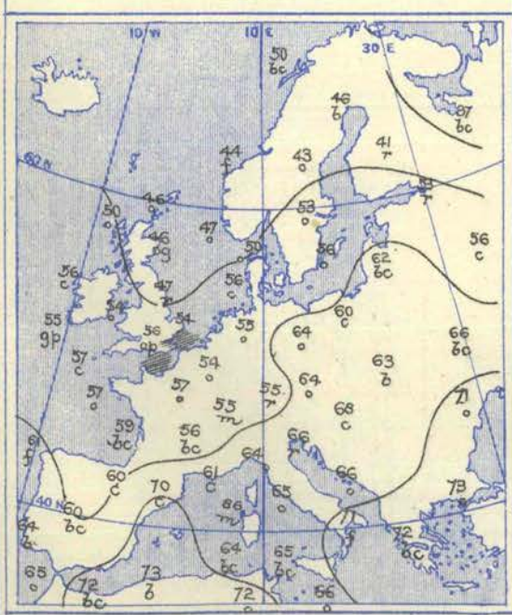
Temperature changing fitfully, but tending to fall over the western and north-western countries. Morning readings highest, 76° at Constantinople, 72° at Athens, 70° at Algiers and also at Memel, 68° at Toulon and Trieste, 66° at Neufahrwasser; 58° to 55° over the greater part of Ireland and England. Lowest, 34° (fallen considerably) at Archangel, 45° at Haparanda and also at Aberdeen, 46° at Sumburgh Head, 48° at Shields. Rising later to between 60° and 65° over many parts of Ireland and England, to 70° at Paris, 75° at Belfort and 82° at Berlin.

Wind was Northerly over the Iberian Peninsula, South-Easterly over Russia, South-Westerly and Westerly over Ireland and England, Northerly in Norway—but was from very various points elsewhere—cyclonic circulations of little strength being found over the Mediterranean, Adriatic, Baltic (with north Germany and the south of Scandinavia). Becoming strong on the southern and south-western coasts of our Islands later, not much altered elsewhere.

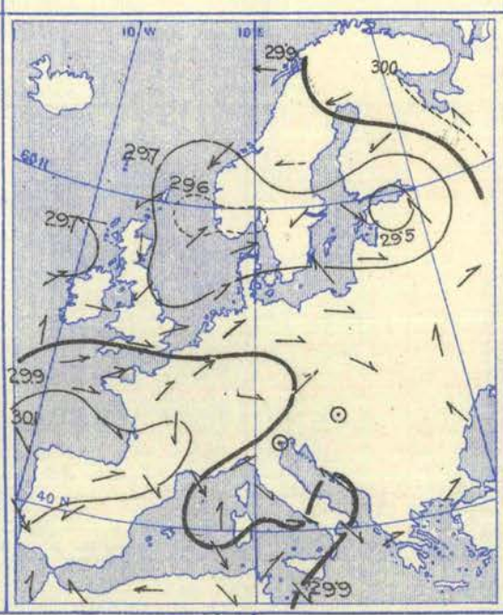
Barometer highest, (1) 30·4 ins. in the Azores, 30·2 ins. to 30·0 ins. over Spain, the Bay of Biscay and the west of France; (2) 30·0 ins. and more to 29·9 ins. over the northern and central parts of Russia. Lowest, 29·7 ins. and less (1) in an elongated, shallow depression over Poland, Germany and the south of Scandinavia; (2) off our own north-west coasts. Gradients moderate but inclined to increase by irregular steps. Further complications over the North Sea later and barometer changing fitfully.

Friday, 8th June.

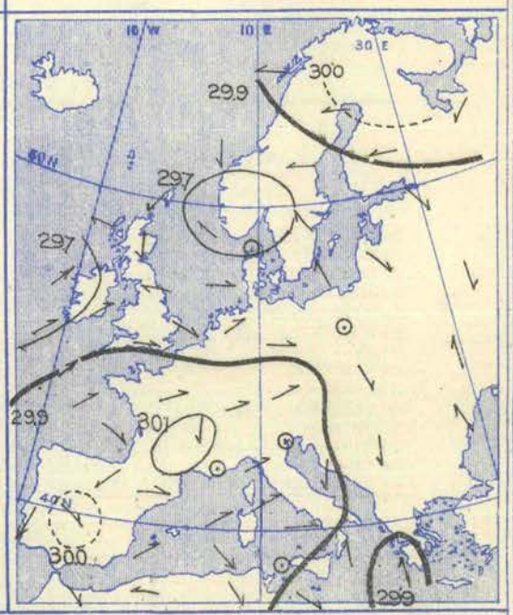
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the Spanish Peninsula, the south-west of France, central Russia and northern Europe; very changeable over the British Islands and their neighbourhood as well as over the Gulf of Finland, not at all settled even over central Europe. Rain later, in very various quantities, all over Ireland, England, Germany and Denmark, and in many parts of Sweden and Russia; thunderstorms at Yarmouth, Karlstad, and Cuxhaven—continuing fair over France.

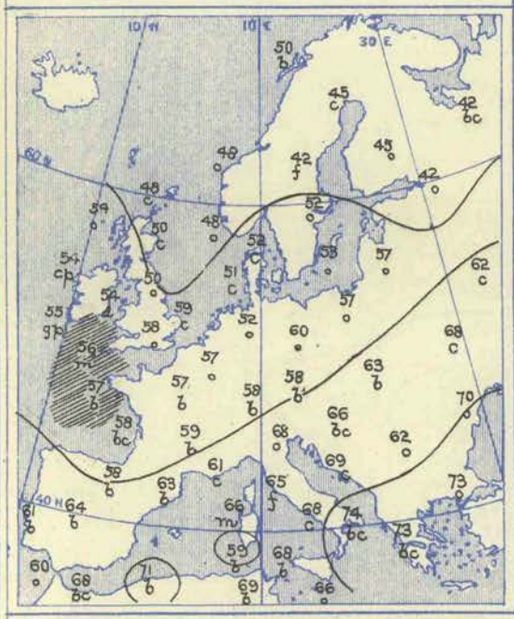
Temperature still changing irregularly. Morning readings highest, above 70° over Greece, the coast of Algeria and at Barcelona, 71° at Nicolaieff, above 60° over central Europe and the southern parts of Russia. Lowest, 37° at Archangel, 41° at Kuopio, 43° at Hernosand, 46° at Sumburgh Head and Aberdeen. Rising later to 63° at Karlstad and Faerder, to 66° at Loughborough, 67° in London and Paris, 72° at Berlin, 73° at Nice and Perpignan, and to between 75° and 80° in several parts of Italy

Wind was (1) Easterly over northern Europe, strong in places; (2) Westerly over England, the northern half of France, and north Germany (moderate to light), Southerly in Ireland, Northerly to Easterly in Scotland. Becoming more generally Southerly on our western coasts later, and freshening in the north-west of Ireland.

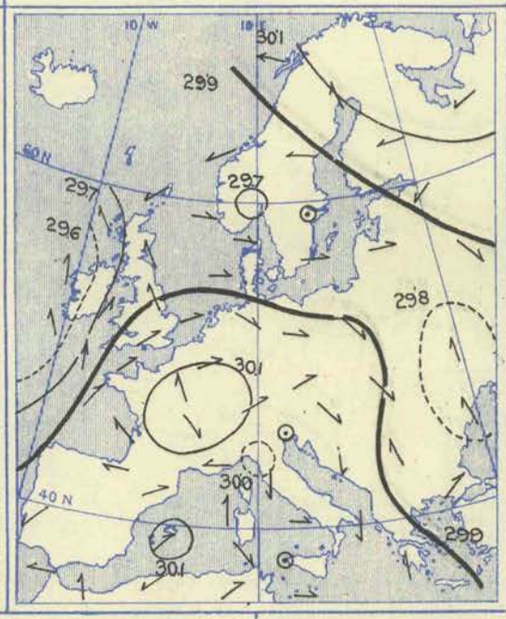
Barometer highest, (1) 30·1 ins. and more over the north of Spain and exceeding 30·0 ins. over the north of Africa, the Spanish Peninsula generally, the Bay of Biscay and west of France; (2) 30·0 ins. and more over the north-east of Russia, and above 29·9 ins. over the White Sea and Kola Peninsula. Lowest, (1) 29·5 ins. to 29·6 ins. in a depression over the Gulf of Finland and its neighbourhood; (2) 29·3 ins. to 29·7 ins. in another over the south of Norway and the northern half of the North Sea; (3) below 29·7 ins. off our own north-west coasts; and (4) below 29·8 ins. all over the western parts of Central Europe, and below 29·9 ins. over the northern parts of the Mediterranean. A depression appearing off our western coasts later and spreading eastwards.

Saturday, 9th June.

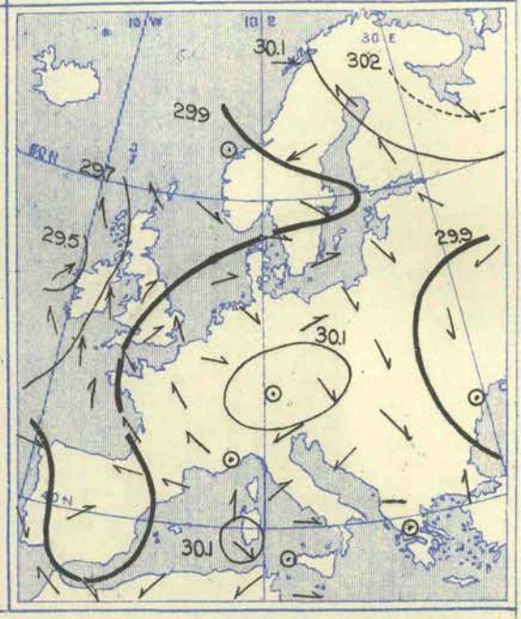
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over southern and central Europe, as well as in the extreme north; rainy at our western stations, dull over the major part of Great Britain and in many of the southern parts of Scandinavia. Rain later in all the western and northern parts of the United Kingdom, heavy in the south of Ireland; rain at Berlin also. Appearance of sky slowly improving in the east of England all day.

Temperature highest, 73° at Athens and Constantinople, 71° at Patras and Algiers, 70° at Odessa, above 65° over the south of Russia and the south of France, and above 55° over many parts of our Islands. Lowest, 42° at Archangel and Hernösand, and below 50° over the more northern parts of Europe, including the Shetlands; rising later to 66° at Loughborough, 67° at Oxford, 69° in London, 77° at Paris, 75° at Lyons, and 84° at Biarritz. The warmth apparently spreading northwards over central Europe

Wind (1) light over Europe, and anticyclonic over the southern countries, light to moderate (Easterly) in the north; (2) South-Westerly to South-Easterly over Great Britain, and blowing freshly from South at our western stations. Backing later to South over England, and to South-East over France, and the Southerly current in west inclined to fail in energy.

Barometer highest, (1) 35·1 ins. and more over central France, and exceeding 30·0 ins. all over that country, Italy, the Mediterranean, and the eastern and southern parts of Spain; (2) 30·1 ins. and more to 30·0 ins. in a separate system over northern Europe. Lowest, (1) 29·6 ins. and less over the west of Ireland; 29·8 in. and less over the south-west of Russia. The Atlantic depression failing to spread more eastward during day, but the barometer beginning to fall over Spain, and the French anticyclone moving north-eastward.

GENERAL NOTES.

During this week there has been a great alteration in the weather over Europe.

At first the barometer was highest (30·2 ins. and more to 30·1 ins.) over Norway and the north of our Islands; lowest, 29·6 ins. and less to 29·7 ins. over the western and southern parts of the Mediterranean, and 29·7 ins. and less to 29·8 ins. over the east of Lapland and Finland. The winds were consequently North-Westerly and Westerly over northern Europe; Northerly and North-Easterly in our Islands; South-Easterly over Germany; North-Easterly over France; North-Westerly over Spain. Very gradually the northern high pressure area spread and the Mediterranean depression moved north-eastwards, while a new high pressure area appeared over Spain and the west of France—so that at 8 a.m. on Wednesday the lowest pressures were found over central Europe, the highest over Spain and over Lapland. This north-easterly movement continued and other depressions then began to approach our western coasts from the Atlantic, and on Friday the barometer was highest over Spain and over the White Sea, lowest off our north-west coasts, over the south of Norway and Finland, and over the north-east of the Mediterranean.

At the close of the week the high pressure area in the south had reached central Europe, considerable Atlantic rains were falling in the west, but very warm weather was spreading over England, France, Germany, and Denmark.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 134.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	14·0	?	11	?	BRIGHTON	72·9	+22·1	65	+20
STRATHPEFFER SPA	20·1	−20·4	16	−17	WORTHING	71·3	?	63	?
EDINBURGH	18·0	−19·9	15	−17	BOGNOR	67·9*	?	60*	?
MORPETH	35·1	?	30	?	WATERGATE (Emsworth)	62·8	?	56	?
NEWCASTLE-ON-TYNE	24·0	?	20	?	WESTBOURNE (Emsworth)	56·8*	+ 5·8	50*	+ 3
OSWALDKIRK (Yorkshire)	37·1	− 2·5	32	− 2	VENTNOR HOSPITAL	66·5	?	59	?
YORK					SOUTHPORT	48·6	?	42	?
LOWESTOFT	34·6	?	30	?	RHYL	42·7*	?	37*	?
HOLLESLEY BAY	60·9	?	53	?	COLWYN BAY	51·5	?	45	?
SHEFFIELD	38·0	?	33	?	ABERDOVEY	41·2*	?	36*	?
WORKSOP	38·2	− 1·3	33	− 1	TENBY	45·6	− 6·9	40	− 6
THURCASTON (Leicestershire)	44·5	+ 3·0	39	+ 2	NEWQUAY	45·3	− 6·4	40	− 6
MARGATE	45·4	+ 0·6	40	0	TORQUAY	53·1	− 0·7	47	− 1
EASTBOURNE	68·0	+16·4	60	+14	GUERNSEY	70·5*	+10·4	64*	+ 9

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°							
Week ending April 21st, 1900	Tenby	—	—	—	—	—	—	—	—	—	—	—	60·3	+ 15·3	63	+15
,, ,, ,, 28th, ,,	Churchstoke	66	26	57·2	37·4	46·8	+ 1·0	53	13	1	0·04	− 0·35	43·3	+ 7·2	43	+ 7
,, ,, ,, ,, ,,	Cranley	73	31	57·4	38·4	47·4	− 1·2	53	10	0	—	− 0·40	—	—	—	—
,, ,, ,, ,, ,,	Killarney	65	34	57·4	43·0	49·9	+ 1·2	55	0	1	0·04	?	—	—	—	—
,, ,, May 5th, ,,	Cranley	66	30	50·4	41·9	50·1	+ 0·6	57	0	2	0·20	− 0·20	—	—	—	—

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 24.] *Third Series.* WEEK ENDING SATURDAY, JUNE 16TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 140.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	79	43	67·2	49·8	57·9	6 above	111	+48	0	- 2	540*	+ 21	639*	+ 18
	1. SCOTLAND, EAST	76	43	67·2	50·2	58·1	4 above	113	+36	0	0	599	- 59	697	+ 48
	2. ENGLAND, N.E.	81	44	68·9	52·6	59·6	5 above	123	+41	0	0	635	- 19	518	- 31
	3. ENGLAND, EAST	88	44	71·7	53·8	62·2	6 above	141	+46	0	0	814	- 14	530	- 87
	4. MIDLAND COUNTIES	87	45	71·8	52·1	61·3	5 above	135	+39	0	0	813	- 55	567	- 52
	5. ENGLAND, SOUTH	88	47	68·5	53·7	60·8	3 above	132	+30	0	0	919	0	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	76	42	67·4	53·2	59·8	5 above	125	+42	0	0	735	+ 21	506	+ 44
	7. ENGLAND, N.W.	79	45	68 0	53·2	60·1	4 above	127	+37	0	0	733	- 13	452	- 7
	8. ENGLAND, S.W.	79	44	65·5	52·0	58·3	2 above	114	+18	0	0	894	- 4	336	- 25
	9. IRELAND, NORTH	74	46	65·3	51·5	57·8	3 above	111	+26	0	0	767	- 30	415	+ 20
	10. IRELAND, SOUTH	72	45	64·2	52·3	57·8	1 above	111	+19	0	0	934	- 15	373	+ 74
	—CHANNEL ISLANDS	76	46	65·5	54·3	59·5	2 above	123	+17	0	0	1172	+139	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 140.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	5	2 less	113	+ 4	20·2	- 0·5	46	+10	38	+ 8	569	+43	29	+ 2
	1. SCOTLAND, EAST	3	5	1 more	93	+ 7	12·0	+ 0·4	50	+ 8	42	+ 7	593	-53	28	- 2
	2. ENGLAND, N.E.	4	6	1 more	84	+ 2	11·3	+ 1·1	49	+11	41	+ 8	537	-76	26	- 4
	3. ENGLAND, EAST	5	3	1 less	89	+ 9	11·6	+ 1·9	63	+13	55	+12	718	-21	33	- 2
	4. MIDLAND COUNTIES	5	10	4 more	83	+ 5	13·3	+ 2·0	48	+ 5	42	+ 4	587	-18	31	0
	5. ENGLAND, SOUTH	4	6	2 more	79	+ 4	12·7	+ 1·3	53	+ 5	46	+ 4	721	-23	35	- 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	9	2 more	98	+ 6	21·4	- 0·3	36	- 9	30	- 8	655	+16	32	0
	7. ENGLAND, N.W.	5	7	2 more	87	+ 3	14·2	+ 1·1	48	- 3	41	- 3	691	+46	34	+ 3
	8. ENGLAND, S.W.	5	14	9 more	92	+ 8	20·3	+ 4·0	31	-21	28	-18	750	-22	37	- 1
	9. IRELAND, NORTH	6	8	2 more	106	+ 8	14·8	+ 0·7	40	- 2	35	- 1	652	+35	32	+ 2
	10. IRELAND, SOUTH	6	10	4 more	97	+ 6	17·5	+ 0·8	36	- 9	31	- 8	686	-19	34	- 1
	— CHANNEL ISLANDS	6	5	1 more	100	+ 9	16·4	+ 3·0	38	-17	33	-16	834	-13	43	0

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period, although warm during the first few days, was of an unsettled character generally. Thunderstorms were of frequent occurrence, especially over England, and the accompanying rain or hail very heavy in some places; over the Kingdom as a whole, however, the rainfall brought by the storms was, comparatively, slight.

Temperature was above the mean in all districts, the excess ranging from 1° in Ireland S. and 2° in England S.W. and the Channel Islands, to 5° in Scotland W., England N.E. and the Midland Counties, and to 6° in England E. and Scotland N. The highest of the maxima were recorded on the 11th or 12th at most of the English stations, but on rather irregular dates in Ireland and Scotland. They varied from 88° in England S. and E. (in London and at Cambridge), and 87° in the Midland Counties to between 79° and 76° in Scotland, and to between 74° and 72° in Ireland. The lowest of the minima, which were registered either at the commencement or towards the end of the period, ranged from 42° in Scotland W., to 46° in Ireland N. and the Channel Irelands, and to 47° in England S.

Rainfall was less than the mean in Scotland N. and England E., but more in all other parts of the Kingdom. In the Midland Counties and Ireland S. the excess was considerable, and in England S.W. very large.

Bright Sunshine exceeded the mean in all the "Wheat producing" districts, and was deficient in all the "Grazing" districts. The percentage of the possible duration ranged from 55 in England E., and 46 in England S., to 33 in the Channel Islands, 31 in Ireland S., and 28 in England S.W.

Barometer and Wind.—At the commencement of the week depressions, moving northwards, were skirting our extreme western coasts, and the winds over our Islands were moderate from the Southward. This condition was soon complicated, however, by the formation of small secondary systems over France and the Bay of Biscay, and their movement northwards over the United Kingdom. Towards the end of the week these disturbances had all disappeared, but depressions continued to skirt our extreme west and north-west coasts, and the wind, after having been rather variable in direction, shifted to between South and South-West again, with a fall of temperature.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 139 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	59	43	56·4	46·6	51·2	+ 1·8	64	0	1	0·01	− 0·45	*	*	*	*
	Stornoway	74	47	67·0	49·3	57·5	+ 5·9	109	0	5	1·00	+ 0·35	60·6	+17·8	49	+14
	Wick	69	45	61·1	49·1	54·7	+ 3·2	89	0	3	0·19	− 0·21	*	*	*	*
	Lairg $	77	44	72·7	48·4	59·7	+ 7·2	124	0	3	0·08	− 0·44	*	*	*	*
	Glencarron $	76	48	70·7	51·9	60·7	+ 7·6	131	0	6	0·69	− 0·51	*	*	*	*
	Fort Augustus $	75	47	69·7	51·2	59·8	+ 5·8	125	0	4	0·68	+ 0·18	44·2	+13·4	36	+11
	Fort William $	79	48	72·8	51·8	61·6	+ 7·5	137	0	5	0·80	− 0·09	53·5	+12·0	44	+10
1. SCOTLAND E.	Nairn	74	46	67·6	49·9	58·2	+ 3·9	113	0	2	0·04	− 0·36	*	*	*	*
	Aberdeen	69	45	61·9	49·0	55·0	+ 1·5	91	0	3	0·44	+ 0·02	50·3	+ 4·3	41	+ 3
	Braemar $	70	43	67·3	50·5	58·3	+ 6·5	114	0	4	0·35	− 0·18	48·8†	+ 6·0†	40†	+ 4†
	Ochtertyre $										*	*	*	*	*	*
	Leith	73	43	68·1	49·6	58·2	+ 3·0	113	0	4	0·75	+ 0·31	*	*	*	*
	Marchmont $	76	46	70·9	51·9	60·7	+ 7·2	131	0	4	1·11	+ 0·53	62·5	+19·7	52	+16
2. ENGLAND, N.E.	Alnwick Castle	75	45	71·5	49·7	59·8	+ 6·5	125	0	1	0·52	+ 0·06	*	*	*	*
	Durham	81	44	74·2	51·2	61·9	+ 6·9	139	0	5	1·03	+ 0·57	49·3	+ 9·3	41	+ 7
	Shields	71	47	65·7	50·3	57·5	+ 3·8	109	0	3	0·75	+ 0·35	*	*	*	*
	Scarborough ℳ	74	51	66·8	52·4	59·1	+ 4·2	120	0	6	0·44	− 0·04	*	*	*	*
	Spurn Head	71	53	66·3	54·4	59·9	+ 4·9	125	0	3	0·08	− 0·32	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	85	48	75·3	54·1	64·0	+ 7·4	154	0	4	0·79	+ 0·27	67·2	+20·2	58	+17
	Yarmouth	72	53	65·7	54·4	59·7	+ 3·8	124	0	4	0·19	− 0·25	*	*	*	*
	Geldeston	80	49	71·8	54·0	62·3	+ 6·1	142	0	4	0·26	− 0·14	66·0	+15·8	57	+13
	Cambridge	88	48	75·4	53·2	63·5	+ 5·9	151	0	4	0·21	− 0·29	58·3	+12·1	51	+11
	Felixstowe	79	53	69·7	55·4	62·1	+ 6·1	141	0	5	0·64	?	65·6	?	57	?
	Rothamsted	84	44	72·1	51·9	61·3	+ 4·8	135	0	6	0·22	− 0·27	50·2	+ 4·9	44	+ 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	87	49	77·0	53·0	64·2	+ 7·5	155	0	4	0·37	− 0·14	*	*	*	*
	Loughborough	85	47	74·4	53·6	63·3	+ 5·4	149	0	4	1·28	+ 0·77	*	*	*	*
	Cheadle ℳ	77	47	69·1	51·7	59·8	+ 5·1	125	0	6	1·71	+ 1·03	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	79	48	71·5	52·7	61·5	+ 5·1	137	0	5	0·97	+ 0·37	44·5	?	39	?
	Churchstoke ℳ	76	46	69·7	50·8	59·6	+ 4·5	123	0	4	0·79	+ 0·24	47·2	+ 3·0	41	+ 2
	Hereford (Belmont) ℳ	78	45	70·6	50·6	59·9	+ 2·5	125	0	4	0·31	− 0·18	*	*	*	*
	Cirencester	77	45	70·3	50·1	59·5	+ 3·9	123	0	6	0·92	+ 0·39	37·6	− 8·0	33	− 7
	Oxford	84	52	72·1	54·3	62·6	+ 5·2	144	0	6	1·36	+ 0·86	40·6	− 4·7	35	− 5
5. ENGLAND, S.	London	88	50	75·0	54·6	64·1	+ 5·2	155	0	2	0·66	+ 0·18	47·8†	+ 5·6†	42†	+ 5†
	Swarraton (Alresford) ℳ	81	47	70·3	51·6	60·3	+ 2·9	128	0	5	1·16	?	*	*	*	*
	Dungeness	74	51	67·0	54·4	60·3	+ 3·5	128	0	3	0·31	− 0·06	51·6	?	45	?
	Hastings (St. Leonards)	84	50	69·1	55·2	61·7	+ 4·8	138	0	3	0·69	+ 0·20	55·1	+ 1·0	48	+ 1
	Southampton	81	53	71·2	54·8	62·4	+ 3·9	143	0	6	0·49	+ 0·05	49·0	− 0·8	43	− 2
	Portland Bill	63	50	60·6	51·6	55·8	− 0·2	97	0	3	0·69	?	*	*	*	*
	Shaftesbury ℳ	72	?	66·1	?	?	?	?	?	5	0·45	− 0·05	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	76	49	70·9	54·1	61·9	+ 7·2	139	0	6	0·84	− 0·16	*	*	*	*
	Glasgow	74	48	69·1	54·3	61·2	+ 6·5	134	0	4	0·93	+ 0·30	33·8	− 5·0	28	− 4
	Glenlee $	73	42	67·1	52·5	59·3	+ 5·0	121	0	5	0·39	+ 0·13	*	*	*	*
	Douglas (Isle of Man)	66	50	62·4	51·9	56·8	+ 2·2	104	0	5	0·89	+ 0·39	37·6	−14·1	32	−12
7. ENGLAND, N.W.	Newton Reigny	77	45	71·0	52·0	60·8	+ 6·4	132	0	4	0·86	?	53·0	?	42	?
	Stonyhurst	76	49	68·8	53·4	60·6	+ 5·2	130	0	5	0·89	+ 0·11	37·0	− 8·1	31	− 8
	Blackpool ℳ	79	45	68·1	52·4	59·7	+ 4·0	124	0	6	0·51	+ 0·01	41·9	− 3·3	36	− 2
	Manchester (Prestwich)	78	50	70·6	53·6	61·5	+ 5·7	137	0	5	1·11	+ 0·41	45·9	?	39	?
	Liverpool Obsy. (Bidston)	79	49	68·0	53·7	60·4	+ 4·0	129	0	5	0·61	+ 0·11	46·7	?	40	?
	Llandudno ℳ	78	51	66·4	54·2	59·9	+ 3·2	125	0	4	0·57	+ 0·12	46·3	+ 1·1	40	+ 1
	Holyhead	68	52	63·0	53·0	57·7	+ 1·7	110	0	4	0·54	+ 0·09	*	*	*	*
8. ENGLAND, S.W.	Llandovery	76	46	69·1	50·1	58·9	+ 2·5	118	0	5	0·98	+ 0·30	*	*	*	*
	Pembroke	64	52	58·6	53·0	55·6	+ 0·2	95	0	5	1·02	+ 0·57	25·1	−29·0	22	−25
	Clifton	79	51	69·1	53·4	60·7	+ 4·3	131	0	5	1·40	+ 0·88	*	*	*	*
	Arlington (N. Devon)	71	49	64·4	50·7	57·1	+ 2·5	106	0	5	2·23	+ 1·52	*	*	*	*
	Cullompton ℳ	74	44	69·4	50·0	59·0	+ 2·0	119	0	4	0·65	+ 0·13	37·1	− 9·9	33	− 8
	Falmouth	64	51	62·0	53·9	57·7	+ 1·0	110	0	4	1·89	+ 1·31	25·6	−28·2	23	−25
	Plymouth	67	51	65·7	52·9	58·9	+ 0·5	118	0	5	1·93	+ 1·47	34·6	−14·4	31	−13
9. IRELAND, N.	Malin Head	67	52	63·7	53·1	58·0	+ 3·8	112	0	4	0·17	?	*	*	*	*
	Londonderry	74	48	70·7	52·2	60·8	+ 4·4	132	0	7	0·56	− 0·02	*	*	*	*
	Edenfel (Omagh)	71	47	66·6	50·4	57·9	+ 3·8	111	0	6	0·89	+ 0·29	*	*	*	*
	Blacksod Point	65	50	62·3	52·4	57·0	+ 1·3	105	0	7	1·36	?	*	*	*	*
	Markree Castle	68	46	65·6	51·5	58·1	+ 3·7	113	0	7	0·92	+ 0·32	43·3	+ 2·4	37	+ 2
	Armagh	71	47	65·4	51·2	57·4	+ 2·3	108	0	5	1·03	+ 0·51	37·5	− 4·5	32	− 3
	Donaghadee	68	48	62·6	49·6	55·7	+ 0·7	96	0	5	0·56	+ 0·07	*	*	*	*
10. IRELAND, S.	Dublin	72	52	67·0	53·9	60·0	+ 2·9	126	0	4	0·55	+ 0·10	41·3	− 5·3	36	− 4
	Parsonstown	69	48	66·1	52·1	58·6	+ 2·9	116	0	7	1·02	+ 0·46	34·2	− 6·5	29	− 6
	Kilkenny	68	48	63·2	51·0	56·7	+ 0·6	103	0	7	1·03	+ 0·52	*	*	*	*
	Roche's Point	63	52	59·4	53·9	56·5	− 0·7	102	0	7	1·22	+ 0·49	*	*	*	*
	Valencia	65	50	62·6	52·7	57·3	+ 0·6	107	0	6	0·96	+ 0·19	33·4	−14·5	29	−13
	Killarney	71	49	64·9	51·9	57·7	+ 1·8	110	0	6	0·70	?	*	*	*	*
	Foynes	69	45	66·0	50·5	57·7	+ 1·9	110	0	6	1·29	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	65	46	62·6	53·6	57·8	+ 1·1	111	0	5	0·69	+ 0·27	29·8	?	26	?
	Jersey	76	53	68·3	55·0	61·2	+ 2·8	134	0	6	0·39	− 0·05	42·0	−15·7	37	−15

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society

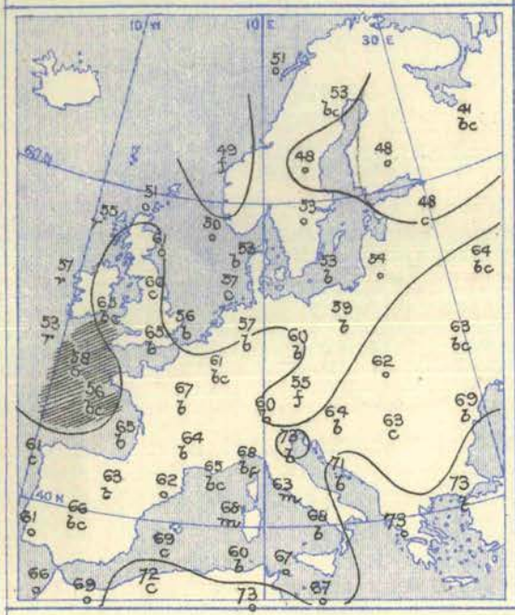
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

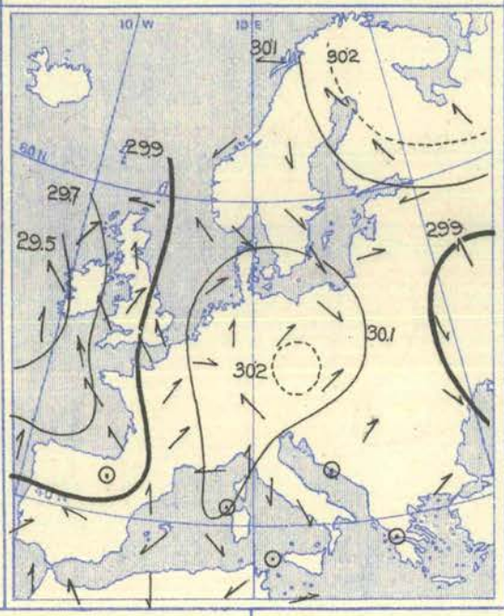
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 10th June.

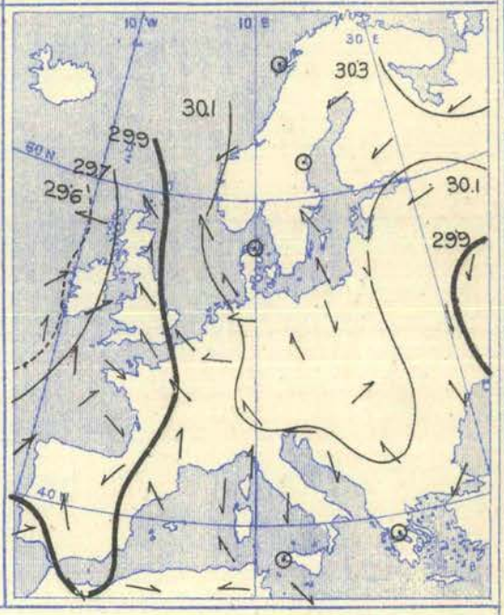
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western, central and southern Europe generally, but rainy in the west and south of Ireland and also in the Hebrides. Dull in Finland and Scandinavia, with rain at Helsingfors. Rain falling later at several of our own western and northern stations, and thunder and lightning occurring in places. Thunderstorms reported also at Cherbourg, Biarritz and Nemours.

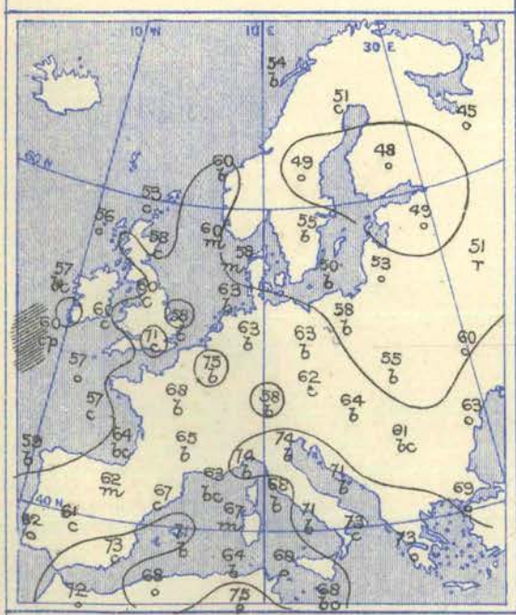
Temperature risen in most of the western and northern countries but changed very irregularly elsewhere. Morning readings highest, 73° at Trieste, Athens, Constantinople and Sfax, and 72° at Algiers, above 65° in most parts of southern Europe and also over central England. Lowest, 41° at Archangel, 47° at Hangö and Helsingfors, and 48° at Hernösand and St. Petersburg. Rising during day to 80° and upwards over the central parts of England, France, and the Netherlands, and also over southern Europe generally, and reaching 87° at Madrid.

Wind light to moderate from the Southward and South-Eastward over western and northern Europe generally. North-Westerly over the Baltic, eastern Germany, Austria and Italy. Easterly over France and central Spain; Southerly and South-Westerly over the western parts of the Spanish Peninsula. Subsequently veering to the Westward in the west of France; no important change occurring elsewhere.

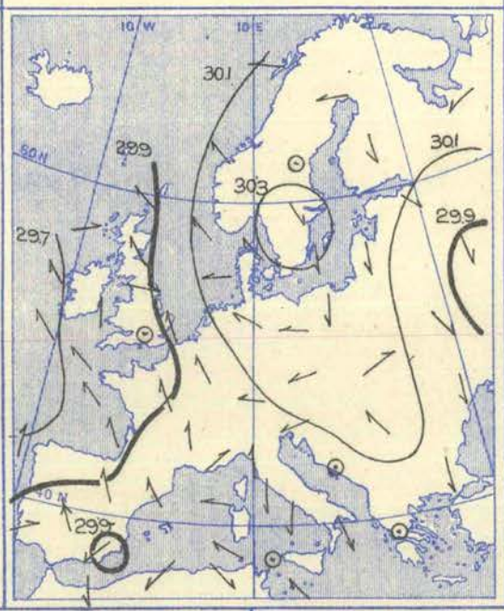
Barometer highest, 30·2 ins. and upwards to 30·1 ins., in two anticyclones, one lying over northern Russia and the other over Denmark, Germany, and Austria. Lowest, 29·5 ins. and less in a depression off the west of Ireland, 29·9 ins. and less in a shallow area over the south of Russia. Small depressions (subsidiary to the Irish disturbance) appearing later over the Bay of Biscay and Spain, and moving northwards to the south of England at night.

Monday, 11th June.

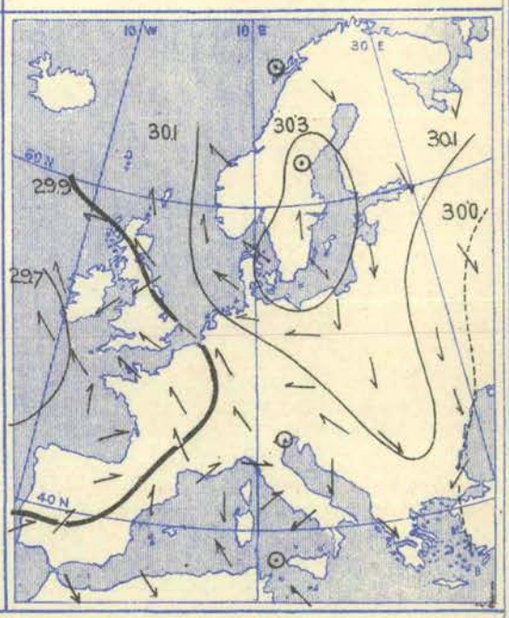
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull in the north of Scotland and showery at Valencia (Ireland). Dull also at most of the Russian, Greek and Turkish stations, with rain at Moscow. Thunderstorms occurring later in many parts of Great Britain and also in the west of France, with heavy rain in places.

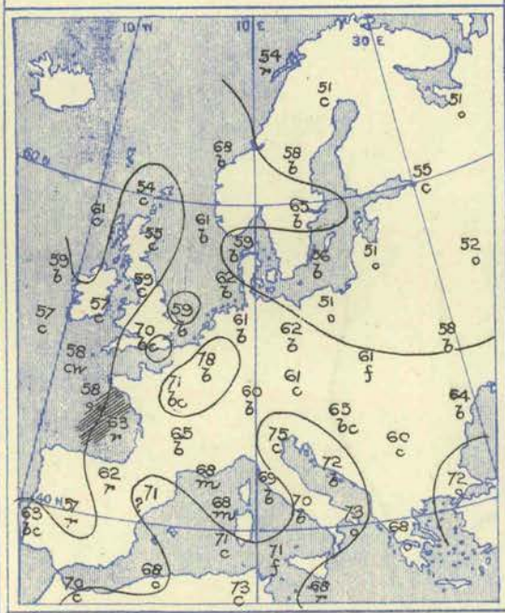
Temperature risen generally, but fallen over the central and southern parts of Russia. Morning readings highest, (1) 75° at Brussels, 71° in London, and 70° at Le Mans; (2) 75° at Sfax and 74° at Leghorn and Trieste; above 65° in many parts of western and southern Europe. Lowest, 45° at Archangel, 48° at Kuopio, and 49° at Hernösand and St. Petersburg. Rising during day to 85° and upwards in many parts of England, France, the Netherlands and Spain; reaching 91° at Cape Gris Nez, 92° at Charleville, 95° at Dunkirk, and 98° at Madrid.

Wind light to moderate from the South-Eastward over western Europe generally, but rather variable in the south-east of England. Light from the Northward over Russia and the Baltic; Easterly in Germany; variable in Austria, northern Italy and the north of France; Northerly over southern Italy; Southerly or South-Westerly over the Spanish Peninsula. Subsequently veering to the South-Westward in the west of France; no important change occurring elsewhere.

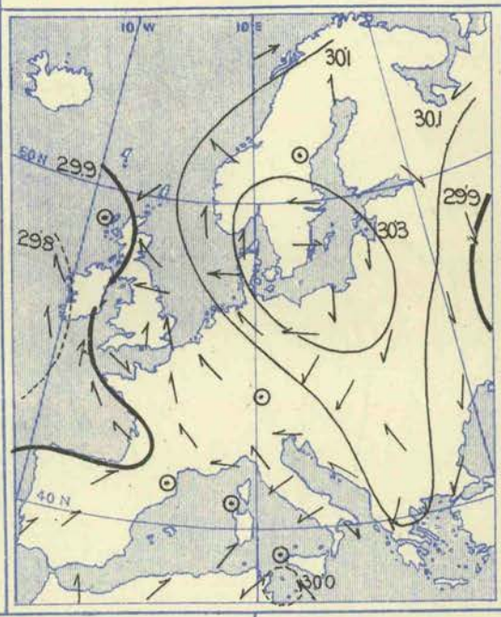
Barometer highest, 30·3 ins. and upwards over the southern parts of Sweden; 30·1 ins. and upwards in an anticyclone covering the whole of northern and central Europe. Lowest, 29·7 ins. and less in a shallow depression lying to the south-westward of our Islands; 29·8 ins. and less in a shallow secondary system over the Bay of Biscay; 29·9 ins. and less in another disturbance over central Russia. Secondary depression subsequently advancing northwards over England, but further small disturbances beginning to form over France and the Bay of Biscay.

Tuesday, 12th June.

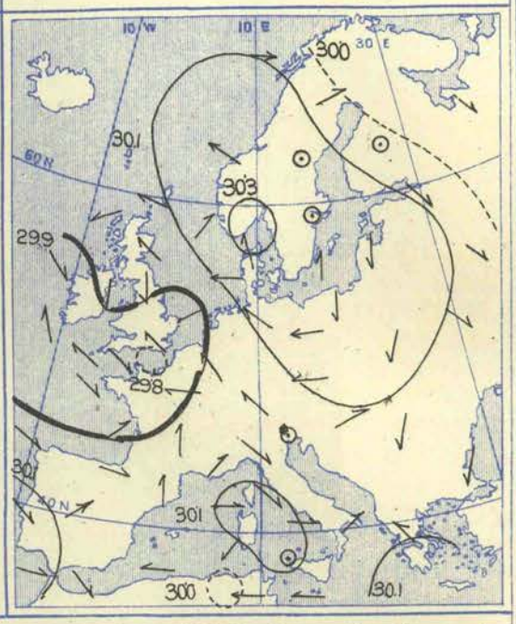
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our Islands and the Continent, but raining in the south-west of France and also at Madrid. Dull in Greece and also at some of the Baltic stations, raining at Bodö. Thunderstorms during day over nearly the whole of the United Kingdom and France, with heavy rain in places.

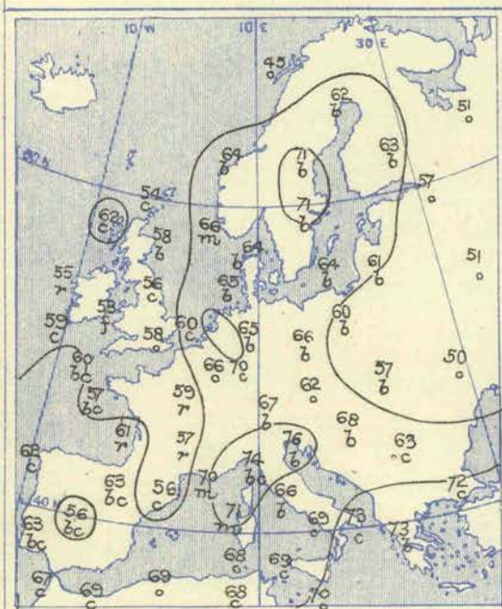
Temperature risen in the extreme north-west of our Islands and also over the greater part of northern Europe; changed rather irregularly elsewhere. Morning readings highest, (1) 78° at Brussels, 72° at Dungeness, at 71° at Paris and Frankfürt; (2) 75° at Trieste and 73° at Brindisi and Sfax; (3) 68° at Christiansund; above 65° in many parts of western and southern Europe. Lowest, (1) 51° at Haparanda, Archangel, Riga, Memel and Neufahrwasser; (2) 53° at Wick and 54° at Sumburgh Head. Rising during day to 80° and upwards in many parts of the south of England, France, and central and southern Europe, and reaching 87° at Paris and 90° at Dunkirk. Remaining below 60° all day on some parts of our own south-western and extreme northern coasts.

Wind light to moderate from the Southward or South-Eastward over western Europe as a whole, but calm over central England, and light from the Westward or North-Westward at most of the Channel stations. Light from the Northward in Russia, and from the Eastward or North-Eastward over the greater part of Germany and Austria; variable in Italy; South-Westerly over the Spanish Peninsula. Subsequently shifting to the Westward or North-Westward in the west of France and the northern and western parts of the Spanish Peninsula; no important change occurring elsewhere.

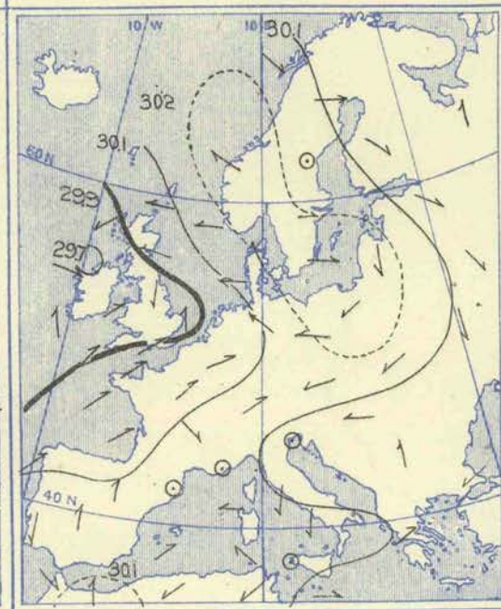
Barometer highest, 30·3 ins. and upwards to 30·2 ins. in an anticyclone lying over the greater part of northern Europe. Lowest, 29·8 ins. and less in a depression off the west of Ireland; small secondary system lying over the southern part of the Bay of Biscay. Latter disturbance subsequently advancing northwards to the English Channel; barometer falling in England, but rising again in the west of France.

Wednesday, 13th June.

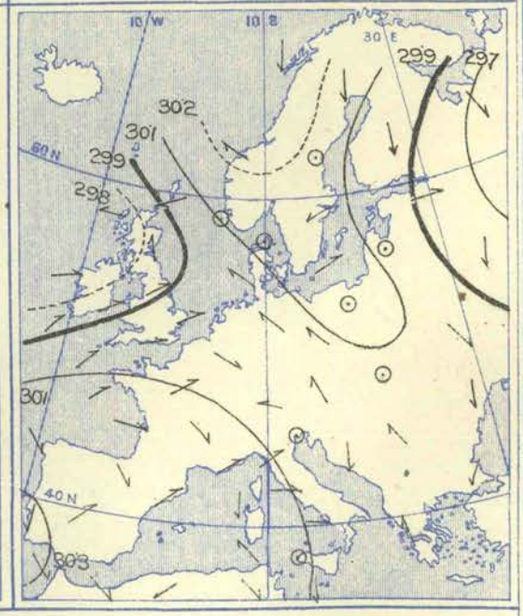
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over Great Britain as a whole, but dull at some of the northern stations; rainy or showery in Ireland. Fine over by far the greater part of the Continent, but dull in France, with rain in several places. Showers falling during day in several parts of the United Kingdom, with thunderstorms in a few isolated places; considerable quantities of rain falling at some of the French and German stations.

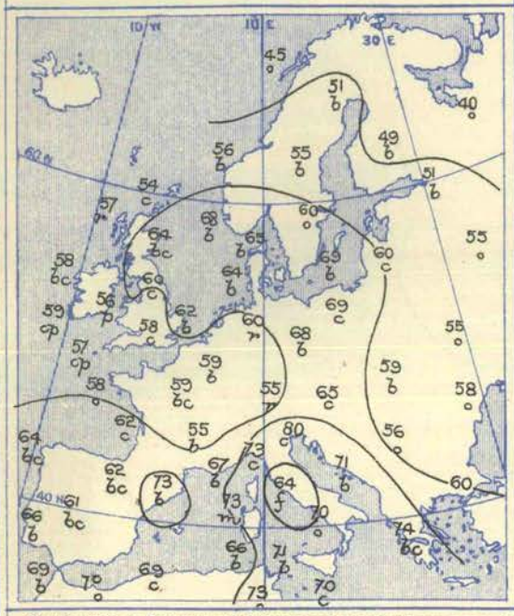
Temperature fallen in our Islands, France and Belgium; considerably in the south-east of England; changed irregularly elsewhere. Morning readings highest, (1) 76° at Trieste and 73° at Palma, Brindisi and Patras; (2) 72° at Brussels; (3) 71° at Hernösand and Stockholm; above 65° in many parts of central and southern Europe. Lowest, 45° at Bodö, 50° at Kiev, and 51° at Archangel and Moscow; lowest in our Islands, 53° at Holyhead. Daily maxima in our Islands not much above 65° as a rule, but thermometer reaching 74° at Stornoway; exceeding 75° in Sweden, Denmark, Germany and southern Europe, and reaching 84° at Stockholm and Buda Pesth.

Wind light from the Southward or South-Westward over the Spanish Peninsula, the west and north of France, and the south of our Islands; South-Easterly in Ireland; Easterly in Scotland and also on the eastern shores of the North Sea. North-Westerly over Sweden and northern Russia. Variable over Austria, northern Italy, and the south of France; Northerly or North-Westerly over southern Italy and Greece. Subsequently veering to the Westward in the west of France; no decided change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in two anticyclones, one lying over the greater part of northern Europe, and the other over Portugal and the west of Spain. Lowest, 29·8 ins. and less in a shallow depression over Ireland and the north-western parts of Great Britain. Depression subsequently moving northwards; Spanish anticyclone spreading north eastwards; high pressure system over northern Europe partially breaking up.

Thursday, 14th June.

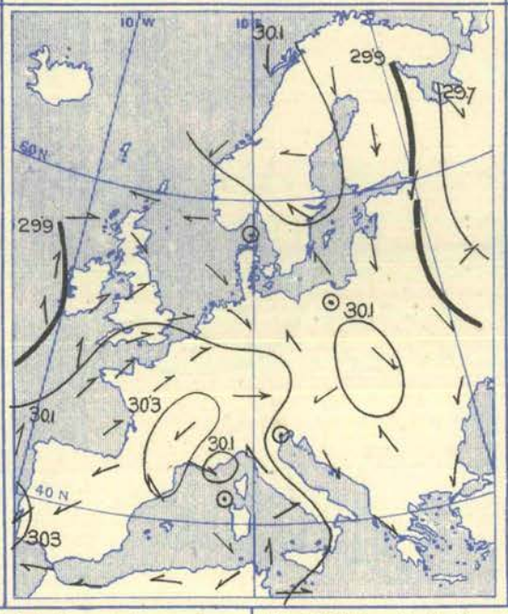
Temperature and Weather. 8 a.m.

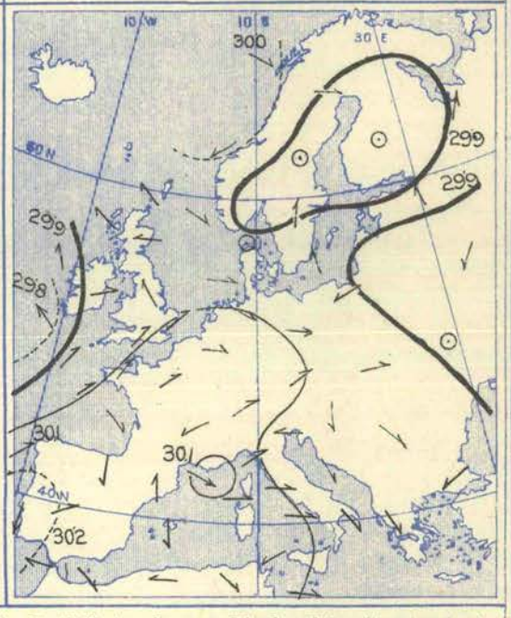


Weather fair or fine over our Islands and the Continent generally, but showery at some of our own western stations. Cloudy in Austria, northern and central Italy, and the south of Russia, with rain at Munich; rain falling also at Cuxhaven. Rain spreading later from the westward over nearly the whole of Ireland, England, the Netherlands, Germany, and the north of France; thunder occurring in some parts of England.

Temperature risen in the west and north of our Islands and also in Germany and the south of Scandinavia, fallen over the northern parts of Russia and Scandinavia, changed irregularly elsewhere. Morning readings highest, 80° at Trieste and 74° at Athens; above 70° at several of the Mediterranean and Adriatic stations, and very nearly reaching that point over the Baltic and north Germany; above 60° in the east of Scotland. Lowest, 40° at Archangel, 45° at Bodö and 49° at Kuopio. Rising during day to between 65° and 69° in many parts of Great Britain; exceeding 70° in France, Denmark, and the south of Sweden, and reaching 81° at the Scaw; exceeding 80° also in several parts of southern Europe.

Barometer and Wind. 8 a.m. and 6 p.m.



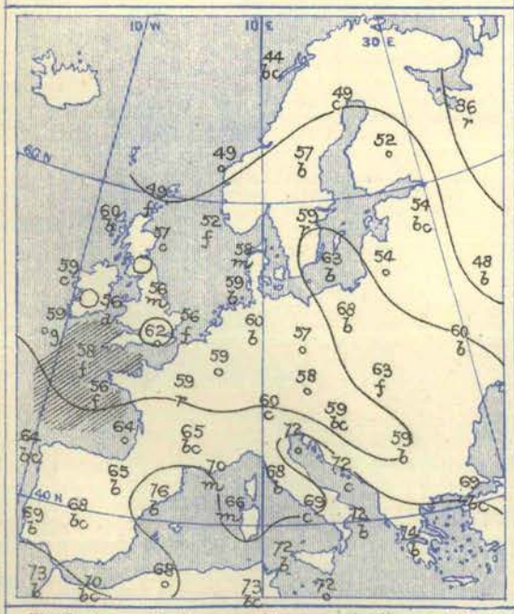


Wind light from the Southward or South-Westward over our Islands and the adjacent parts of the Continent generally, but rather variable in the north of Scotland. Northerly over Russia, and Easterly at many of the Scandinavian stations; South-Easterly over the Baltic. Variable over central and southern Europe as a whole, but Easterly (South-East to North-East) over the Spanish Peninsula. Subsequently backing to the South-Eastward on many parts of our own west and south-west coasts and freshening in the south of Ireland.

Barometer highest, 30·1 ins. and upwards in an anticyclone of irregular form extending from Spain, Italy, and the western parts of the Mediterranean over France and the south-east of England, and also in two other systems lying respectively over Scandinavia and over eastern Germany. Lowest, 29·7 ins. and less in a large depression over northern Russia, 29·9 ins. and less in another disturbance off the west of Ireland. Latter disturbance subsequently spreading eastwards and barometer falling on all our western and southern coasts.

Friday, 15th June.

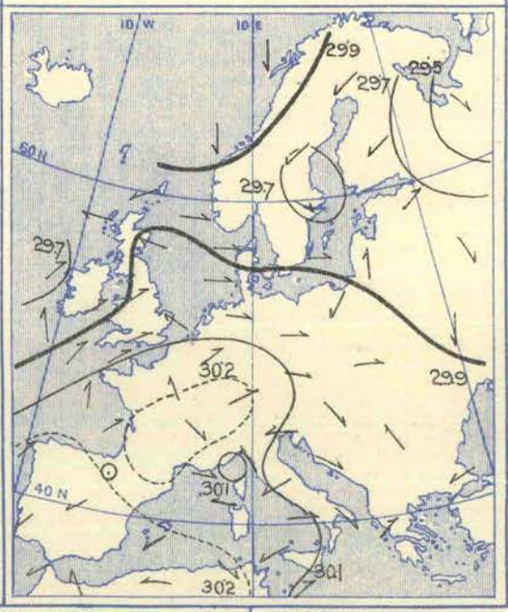
Temperature and Weather. 8 a.m.

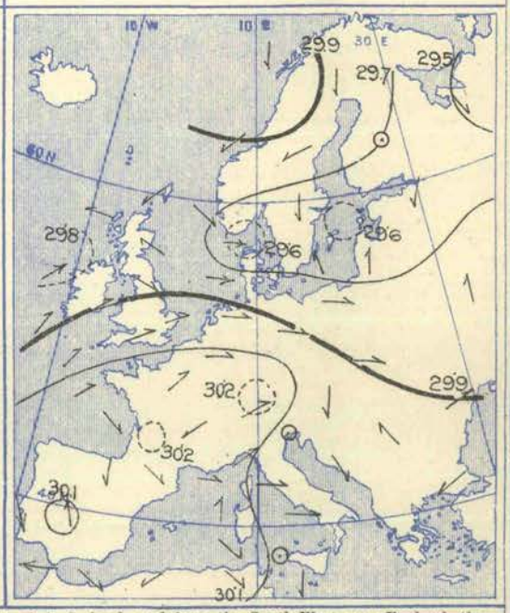


Weather in morning foggy or misty on nearly all parts of the British and Irish coasts, especially over the English Channel and the north of Scotland; showery at some of our more central stations. Fine over the greater part of Scandinavia and Denmark (but rainy at Stockholm) as well as over southern Europe generally; dull in the more central parts of the Continent, with rain at Paris and Cracow. Rain falling during day in most parts of Ireland, England, Sweden, Denmark and Germany; thunderstorm occurring at Spurn Head, and lightning seen at Donaghadee.

Temperature fallen in all the more northern parts of our Islands and the Continent, but changed irregularly elsewhere. Morning readings highest, 76° at Barcelona, 74° at Patras, and 73° at Perpignan; above 65° over southern Europe generally. Lowest, 36° at Archangel, 44° at Bodö, 48° at Moscow, and 49° at Christiansund and Sumburgh Head. Rising during day to 65° and upwards in nearly all parts of the United Kingdom, and to 71° at Loughborough; exceeding 80° in many parts of southern Europe and reaching 89° at Perpignan and Madrid, and 90° at Cette.

Barometer and Wind. 8 a.m. and 6 p.m.



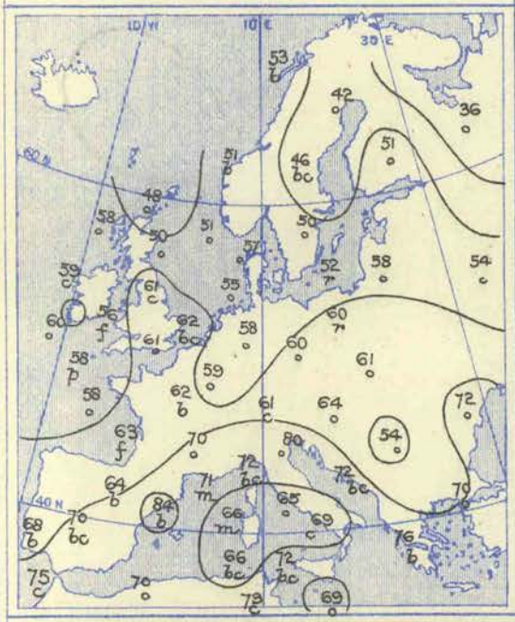


Wind light to fresh from the South in Ireland, and from the South-West over England, the Netherlands, and the north of France. Moderate to fresh from the North-East over the northern parts of Scandinavia, and light from the same quarter in Scotland; Westerly or North-Westerly over Denmark, Germany and Austria; variable in Russia, and also in Italy; North-Easterly over the Spanish Peninsula. No important change occurring during day.

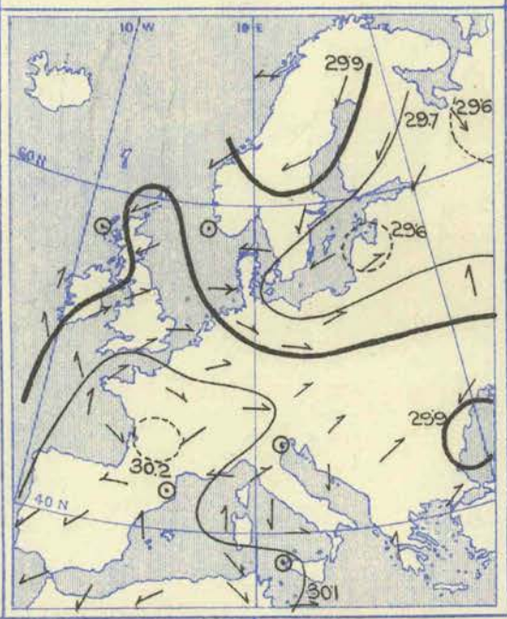
Barometer highest, 30·2 ins. and upwards over the greater part of the Spanish Peninsula, France, and south Germany; 30·1 ins. and upwards in an anticyclone lying over all the more south-western parts of Europe. Lowest, 29·5 ins. and less in a depression over the extreme north of Russia; 29·7 ins. and less in another disturbance over the southern parts of the Gulf of Bothnia, and also in a third system off the west of Ireland. Irish depression subsequently moving northwards and north-westwards, and barometer rising on our western coasts.

Saturday, 16th June.

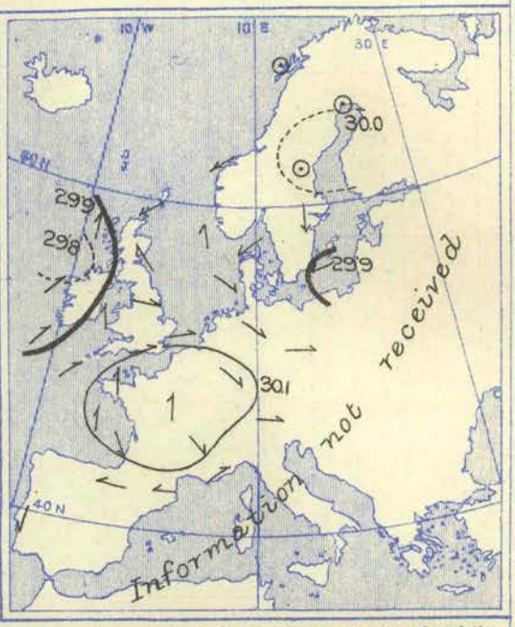
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning fine over the northern, eastern and central parts of England as well as in the west of Norway and the greater part of France and southern Europe. Cloudy or dull elsewhere, with rain on our south-west coasts and also at Wisby and Neufahrwasser. Slight rain falling later in most parts of the United Kingdom, and larger amounts in Germany.

Temperature fallen in Scotland, Scandinavia and Denmark, risen in Germany, Austria and central France, changed irregularly elsewhere. Morning readings highest, 84° at Barcelona, 80° at Trieste, 76° at Patras, and 75° at Perpignan and San Fernando; above 65° over southern Europe generally, and above 60° in several parts of Great Britain. Lowest, 36° at Archangel, 42° at Haparanda and 44° at Uleaborg; lowest in our Islands 48° at Sumburgh Head. Daily maxima below 45° on the north-east coasts of Scotland, but thermometer reaching 70° or more in the eastern and central parts of Great Britain; exceeding 80° in the south of France, and reaching 91° at Perpignan.

Wind light to moderate from the Southward over Ireland, the south-west of England and the north-west of France; South-Westerly over the remaining parts of England. Moderate to fresh from the North, Easterly over Scandinavia and northern Russia, and light from the same quarter in the north-east of Scotland; Westerly over Denmark, the Netherlands, Germany and Austria. Variable in Italy and the south of France; North-Easterly over the Spanish Peninsula. Subsequently veering to the South-Westward in Ireland and the south-west of England; shifting to the North-Westward in the west of France.

Barometer highest, 30·2 ins. and upwards over central France. 33·1 ins. and upwards in an anticyclone lying over the whole of Spain, France and the western parts of the Mediterranean; 29·9 ins. and upwards in another system over the northern parts of Scandinavia. Lowest, 29·6 ins. and less in two depressions, one lying over the extreme north of Russia and the other over the Baltic provinces; 29·8 ins. and less in another disturbance off the west of Ireland. Irish depression subsequently moving northwards; shallow disturbance appearing over the north-east of Spain in evening.

GENERAL NOTES.

Throughout the earlier half of this week barometrical pressure was highest, at first over northern Russia, and afterwards over Sweden and the Baltic, but high also over central and a considerable portion of southern Europe. In those regions the wind was therefore light, and mainly from the Northward or Eastward, and the weather fair, warm and dry. Over the western countries the conditions were affected in the first place by a depression which appeared off the west of Ireland on the 10th, and which occasioned rain in the west and north of our Islands, and later on by several shallow secondary disturbances which formed over France and the Bay of Biscay, and which afterwards moved northwards over our Islands. The passage of these small systems was attended by thunderstorms of considerable severity over nearly the whole of the United Kingdom and France, and in some cases the accompanying rainfall was very heavy.

After the 13th the northern high pressure system gradually gave way, but a new anticyclone soon spread from the south-west over the Spanish Peninsula and France. In our Islands the weather was now influenced by a series of depressions moving northwards along our western coasts, and occasioning moderate Southerly (South-East to South-West) winds and showery weather over the country generally, with thunder in places. Over northern and central Europe the conditions were affected by a large depression which appears to have been gradually formed over Sweden, and Finland and which afterwards moved southwards. This occasioned rain in all parts of Scandinavia, Denmark and Germany, and in the rear of the disturbance a decided current of wind sprang up from the North or North-east and occasioned a considerable fall of temperature over northern Europe.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 140.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	36·9	?	29	?	BRIGHTON	60·7	+ 9·2	53	+ 8
STRATHPEFFER SPA	36·6	- 4·2	30	- 3	WORTHING	58·3	?	51	?
EDINBURGH	39·5	+ 2·2	33	+ 2	BOGNOR	58·4*	?	51*	?
MORPETH		?		?	WATERGATE (Emsworth)	46·3	?	41	?
NEWCASTLE-ON-TYNE	45·0	?	38	?	WESTBOURNE (Emsworth)	52·8*	+ 2·8	46*	+ 1
OSWALDKIRK (Yorkshire)	51·9	+13·1	44	+11	VENTNOR HOSPITAL	44·7	?	39	?
YORK					SOUTHPORT	47·9	?	41	?
LOWESTOFT	67·3	?	59	?	RHYL	54·8*	?	47*	?
HOLLESLEY BAY	66·1	?	57	?	COLWYN BAY	59·5	?	51	?
SHEFFIELD	55·5	?	48	?	ABERDOVEY	50·4*	?	43*	?
WORKSOP	59·2	+21·2	51	+18	TENBY	31·0	-23·0	27	-20
THURCASTON (Leicestershire)	54·2	+13·6	47	+12	NEWQUAY	24·3	-28·6	22	-25
MARGATE	61·2	+17·2	54	+15	TORQUAY	39·3	-15·4	35	-14
EASTBOURNE	50·1	- 1·0	44	- 2	GUERNSEY	41·4*	-17·9	37*	-17

* The values at Rognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°	—	—	—	—	—	—	—
Week ending May 5th, 1900	Worthing	—	—	—	—	—	—	—	—	—	—	—	48·3	?	47	?
,, ,, ,, 12th, ,,	Cranley	69	39	60·4	43·4	51·4	+ 0·4	66	0	1	0·04	- 0·36	—	—	—	—
,, ,, ,, ,, ,,	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	33·2	- 14·8	32	- 16
,, ,, ,, ,, ,,	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	27·5	?	26	?
,, ,, ,, ,, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	30·4	- 6·6	28	- 7

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW ; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No 25.] *Third Series.* WEEK ENDING SATURDAY, JUNE 23RD, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 146.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	39	61·2	48·4	54·5	1 above	87	+18	0	- 1	627	+ 39	639	+ 17
	1. SCOTLAND, EAST	73	41	64·1	48·6	55·8	1 above	97	+14	0	0	696	- 45	697	+ 48
	2. ENGLAND, N.E.	76	45	66·1	51·9	58·5	3 above	116	+27	0	0	751	+ 8	518	- 31
	3. ENGLAND, EAST	75	47	67·5	52·4	59·4	2 above	122	+20	0	0	936	+ 6	530	- 87
	4. MIDLAND COUNTIES	72	43	65·7	50·6	57·6	0 (average)	109	+ 7	0	0	922	- 48	567	- 52
	5. ENGLAND, SOUTH	74	43	64·7	52·1	58·0	1 below	112	+ 3	0	0	1031	+ 3	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	68	42	63·0	49·4	55·7	0 (average)	96	+ 8	0	0	831	+ 29	506	+ 44
	7. ENGLAND, N.W.	68	47	63·2	52·0	57·2	0 (average)	106	+ 9	0	0	839	- 4	452	- 7
	8. ENGLAND, S.W.	70	42	63·1	51·3	56·8	1 below	104	+ 1	0	0	998	- 3	336	- 25
	9. IRELAND, NORTH	69	44	62·5	50·2	55·9	0 (average)	97	+ 5	0	0	864	- 25	415	+ 20
	10. IRELAND, SOUTH	69	43	62·4	50·6	56·1	1 below	99	- 1	0	0	1033	- 16	373	+ 74
	—CHANNEL ISLANDS	68	51	63·3	54·3	58·5	0 (average)	116	+ 7	0	0	1288	+146	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 146.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	4 more	119	+ 6	21·2	- 0·2	29	- 9	23	- 8	598	+33	28	+ 1
	1. SCOTLAND, EAST	5	9	5 more	98	+ 8	12·9	+ 0·8	32	-10	27	- 7	595†	-62	28	- 3
	2. ENGLAND, N.E.	5	8	4 more	89	+ 4	12·1	+ 1·5	36	- 5	30	- 5	576*	-80	26	- 4
	3. ENGLAND, EAST	4	6	1 more	93	+10	12·2	+ 2·1	48	+ 1	42	+ 1	766	-20	34	- 1
	4. MIDLAND COUNTIES	4	6	1 more	87	+ 6	13·9	+ 2·1	45	+ 5	39	+ 4	634*	-13	31	- 1
	5. ENGLAND, SOUTH	4	11	7 more	83	+ 5	13·3	+ 2·0	49	+1	43	+ 1	770	-22	35	- 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	10	3 more	104	+ 9	22·4	0·0	44	- 1	36	- 2	699	+15	33	+ 1
	7. ENGLAND, N.W.	5	8	3 more	92	+ 5	15·0	+ 1·4	50	+ 5	42	+ 5	741	+52	34	+ 2
	8. ENGLAND, S.W.	5	11	5 more	97	+ 9	21·4	+ 4·6	46	- 6	41	- 5	796	-28	37	- 1
	9. IRELAND, NORTH	7	18	13 more	113	+12	16·6	+ 2·0	36	- 6	31	- 4	687*	+30	32	+ 1
	10. IRELAND, SOUTH	7	18	12 more	104	+10	19·3	+ 2·0	37	- 7	32	- 6	723	-26	34	- 1
	— CHANNEL ISLANDS	5	8	4 more	105	+10	17·2	+ 3·4	48	- 5	43	- 4	874*	-18	43	- 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties. England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was again unsettled generally, with frequent and, at times, heavy rain. Thunderstorms occurred occasionally in different parts of the Kingdom, but were not at all general until Friday.

Temperature differed very little from the mean as a whole, but was 2° in excess in England E., and 3° in England N.E. The highest of the maxima were recorded during the earlier half of the period, and ranged from 76° in England N.E., to 69° in Ireland, and 68° in Scotland W., England N.W., and the Channel Islands. The lowest of the minima were registered either on the 18th or 23rd, and varied from 39° in Scotland N., and 41° in Scotland E., to 47° in England E. and N.W., and to 51° in the Channel Islands.

Rainfall exceeded the mean in all districts. In most parts of Great Britain the fall was twice as great as the normal, and in Ireland three times as great.

Bright Sunshine was rather deficient in most districts, but slightly in excess in England N.W., the Midland Counties, and England S. and E. The percentage of the possible duration ranged from 43 to 30 over England, from 36 to 23 in Scotland, and between 32 and 31 in Ireland.

Barometer and Wind.—Several shallow depressions approached and passed over our Islands from the westward or south-westward, causing the wind to vary between South and South-West or West, and to sometimes freshen in force on our western and southern coasts. The disturbance bringing most of the rain and thunderstorms was a small quickly-moving system which passed over our southern counties during the night of the 21st—22nd.

* This value has been altered owing to the receipt of further information for a preceding week.
† The corresponding value in last week's report should read "563."

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II.—DATA from which the SUMMARY on page 145 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	57	45	54·1	47·4	50·5	+ 0·3	60	0	5	0·29	− 0·16	*	*	*	*
	Stornoway	64	46	61·4	49·9	55·3	+ 3·0	93	0	6	1·40	+ 0·75	36·9	− 6·3	30	− 5
	Wick	63	42	59·9	47·3	53·2	+ 0·5	78	0	6	0·67	+ 0·22	*	*	*	*
	Lairg Ⓢ	67	39	64·4	47·7	55·5	+ 1·8	95	0	7	2·07	+ 1·54	*	*	*	*
	Glencarron Ⓢ	65	42	61·4	47·8	54·1	+ 0·1	85	0	6	0·97	− 0·19	*	*	*	*
	Fort Augustus Ⓢ	71	41	65·3	48·3	56·2	+ 1·2	99	0	7	0·37	− 0·18	26·3	− 4·6	21	− 4
	Fort William Ⓢ	65	44	62·2	50·2	55·8	+ 0·8	97	0	5	1·47	+ 0·53	35·9	− 6·8	29	− 6
1. SCOTLAND E.	Nairn	72	42	65·7	48·0	56·2	+ 1·3	99	0	6	1·03	+ 0·63	*	*	*	*
	Aberdeen	63	48	60·9	49·1	54·6	0·0	88	0	5	1·03	+ 0·63	29·5	−16·4	24	−13
	Braemar Ⓢ	67	41	60·9	46·0	52·9	+ 0·2	76	0	5	1·05	+ 0·45	25·3†	−17·0†	21†	−14†
	Ochtertyre Ⓢ										*	*	*	*	*	*
	Leith	73	47	67·6	51·3	58·9	+ 2·5	118	0	4	0·67	+ 0·25	*	*	*	*
	Marchmont Ⓢ	69	43	65·6	48·4	56·4	+ 1·9	101	0	6	0·83	+ 0·29	38·5	− 3·6	32	− 3
2. ENGLAND, N.E.	Alnwick Castle	74	46	67·5	51·0	58·7	+ 4·2	117	0	7	0·68	+ 0·26	*	*	*	*
	Durham	71	45	66·0	50·4	57·7	+ 1·4	110	0	5	0·88	+ 0·46	33·9	− 5·2	28	− 5
	Shields	72	49	63·9	51·7	57·4	+ 2·5	108	0	6	0·74	+ 0·34	*	*	*	*
	Scarborough Ⓜ	76	50	68·3	52·1	59·6	+ 3·3	123	0	5	0·78	+ 0·32	*	*	*	*
	Spurn Head	69	52	64·9	54·4	59·3	+ 2·7	121	0	4	0·85	+ 0·49	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	75	47	69·3	52·3	60·2	+ 2·5	127	0	5	0·33	− 0·17	44·3	− 0·8	38	0
	Yarmouth	71	49	65·3	53·6	59·0	+ 1·9	119	0	5	0·76	+ 0·34	*	*	*	*
	Geldeston	72	48	67·8	52·0	59·4	+ 2·0	122	0	5	0·65	+ 0·25	44·4	− 4·6	39	− 4
	Cambridge	74	47	69·2	51·7	59·8	+ 0·9	125	0	3	0·32	− 0·18	45·6	+ 0·3	40	+ 1
	Felixstowe	72	48	66·4	53·7	59·6	+ 2·4	123	0	4	0·91	?	49·2	?	43	?
	Rothamsted	70	46	67·1	51·2	58·6	+ 0·8	116	0	3	0·41	− 0·09	55·2	+10·3	48	+ 9
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	71	48	67·1	52·6	59·4	+ 1·6	122	0	5	0·48	− 0·02	*	*	*	*
	Loughborough	72	48	68·0	52·1	59·5	+ 0·3	123	0	5	0·73	+ 0·23	*	*	*	*
	Cheadle Ⓜ	67	47	63·1	49·7	55·9	+ 0·3	97	0	5	0·94	+ 0·25	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	70	45	65·1	50·3	57·2	− 0·2	106	0	4	0·60	− 0·01	41·4	?	36	?
	Churchstoke Ⓜ	69	45	64·2	48·7	55·9	− 0·1	97	0	5	0·80	+ 0·29	52·3	+ 8·6	45	+ 7
	Hereford (Belmont) Ⓜ	71	44	66·2	50·4	57·8	− 0·6	111	0	4	0·51	+ 0·06	*	*	*	*
	Cirencester	68	43	65·0	49·4	56·7	− 0·2	103	0	4	0·32	− 0·19	51·2	+ 6·4	44	+ 6
	Oxford	70	46	66·7	51·6	58·6	− 0·1	116	0	3	0·33	− 0·15	54·2	+ 9·4	47	+ 8
5. ENGLAND, S.	London	74	47	69·0	52·7	60·3	0·0	128	0	4	0·75	+ 0·30	44·7†	+ 2·9†	39†	+ 3†
	Swarraton (Alresford) Ⓜ	69	43	65·4	50·2	57·3	− 1·3	107	0	3	1·04	?	*	*	*	*
	Dungeness	68	49	63·6	53·1	58·0	0·0	112	0	3	0·73	+ 0·41	40·9	?	36	?
	Hastings (St. Leonards)	67	47	62·8	52·7	57·4	− 0·5	108	0	5	1·12	+ 0·76	48·8	− 3·7	43	− 3
	Southampton	72	48	68·1	52·8	59·9	+ 0·5	125	0	4	1·15	+ 0·73	50·6	+ 1·9	44	+ 1
	Portland Bill	61	47	59·9	50·9	55·1	− 1·7	92	0	4	1·32	?	*	*	*	*
	Shaftesbury Ⓜ	68	?	64·1	?	?	?	?	?	3	1·35	+ 0·78	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	67	43	62·4	49·2	55·4	− 0·2	94	0	6	1·42	+ 0·40	*	*	*	*
	Glasgow	67	46	63·7	51·0	56·9	+ 1·1	104	0	6	1·33	+ 0·74	43·6	+ 4·8	36	+ 4
	Glenlee Ⓢ	68	42	64·6	48·6	56·0	+ 0·5	98	0	6	1·18	+ 0·48	*	*	*	*
	Douglas (Isle of Man)	64	44	61·3	48·8	54·6	− 0·9	88	0	4	0·21	− 0·26	55·4	+ 3·9	47	+ 3
7. ENGLAND, N.W.	Newton Reigny	67	47	64·4	50·7	57·1	+ 1·7	106	0	4	0·89	?	48·7	?	41	?
	Stonyhurst	66	50	63·3	52·4	57·5	+ 0·8	109	0	5	0·73	+ 0·01	49·0	+ 4·3	42	+ 4
	Blackpool Ⓜ	67	51	63·0	53·7	58·0	+ 0·9	112	0	3	0·74	+ 0·29	49·3	+ 4·4	42	+ 4
	Manchester (Prestwich)	68	49	64·5	50·6	57·1	+ 0·5	106	0	5	0·93	+ 0·27	43·0	?	34	?
	Liverpool Obsy. (Bidston)	66	49	63·0	52·3	57·3	− 0·4	107	0	5	1·11	+ 0·69	49·4	?	42	?
	Llandudno Ⓜ	68	51	63·5	53·1	57·9	+ 0·4	111	0	5	0·67	+ 0·27	52·6	+ 7·6	45	+ 6
	Holyhead	63	48	60·6	51·0	55·5	− 1·6	95	0	5	0·24	− 0·17	*	*	*	*
8. ENGLAND, S.W.	Llandovery	67	42	64·4	48·1	55·7	− 1·6	96	0	4	1·34	+ 0·72	*	*	*	*
	Pembroke	59	50	58·3	52·4	55·1	− 1·2	92	0	7	0·94	+ 0·54	48·0	− 6·8	42	− 6
	Clifton	67	48	64·4	53·0	58·3	+ 0·4	114	0	4	0·39	− 0·08	*	*	*	*
	Arlington (N. Devon)	64	43	61·9	49·6	55·3	− 0·8	93	0	6	1·30	+ 0·60	*	*	*	*
	Cullompton Ⓜ	70	45	66·3	50·8	58·0	− 0·4	112	0	4	1·29	+ 0·69	44·0	− 2·6	39	− 2
	Falmouth	65	50	60·3	53·4	57·9	+ 0·2	111	0	6	1·27	+ 0·67	45·2	− 8·5	40	− 7
	Plymouth	65	43	63·4	51·6	57·1	− 2·1	106	0	5	0·93	+ 0·51	46·5	− 1·6	41	− 2
9. IRELAND, N.	Malin Head	63	50	60·7	52·4	56·3	+ 1·4	100	0	7	0·36	?	*	*	*	*
	Londonderry	69	47	65·8	50·1	57·4	+ 0·4	108	0	7	3·42	+ 2·90	*	*	*	*
	Edenfel (Omagh)	66	46	62·7	49·1	55·4	+ 0·1	94	0	7	2·15	+ 1·60	*	*	*	*
	Blacksod Point	61	48	60·1	51·9	55·7	− 0·9	96	0	7	1·68	?	*	*	*	*
	Markree Castle	67	44	63·2	48·8	55·5	+ 0·6	95	0	7	3·05	+ 2·38	39·3	− 0·7	33	− 1
	Armagh	67	46	63·5	49·7	56·1	− 0·1	99	0	7	1·08	+ 0·50	32·9	− 8·7	28	− 7
	Donaghadee	65	48	61·4	49·1	54·8	− 1·1	90	0	7	0·97	+ 0·55	*	*	*	*
10. IRELAND, S.	Dublin	69	47	65·3	51·5	57·9	− 0·6	111	0	7	1·72	+ 1·34	42·5	− 3·1	36	− 2
	Parsonstown	66	43	63·1	49·4	55·8	− 0·9	97	0	7	1·49	+ 0·99	30·7	− 9·6	26	− 9
	Kilkenny	66	44	63·2	48·4	55·3	− 1·9	93	0	7	2·36	+ 1·84	*	*	*	*
	Roche's Point	64	49	61·3	51·3	56·0	− 2·1	98	0	6	1·70	+ 1·01	*	*	*	*
	Valencia	62	50	60·7	52·0	56·1	− 1·1	99	0	6	1·71	+ 0·87	38·3	− 9·1	33	− 8
	Killarney	66	47	62·1	51·2	56·3	− 0·1	100	0	7	2·34	?	*	*	*	*
	Foynes	65	48	60·7	50·7	55·1	− 1·4	92	0	6	1·31	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	64	53	63·1	54·7	58·6	+ 1·0	116	0	5	1·35	+ 0·95	39·9	?	35	?
	Jersey	68	51	63·4	53·9	58·3	− 1·2	114	0	5	0·31	− 0·08	49·2	− 8·6	44	− 7

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

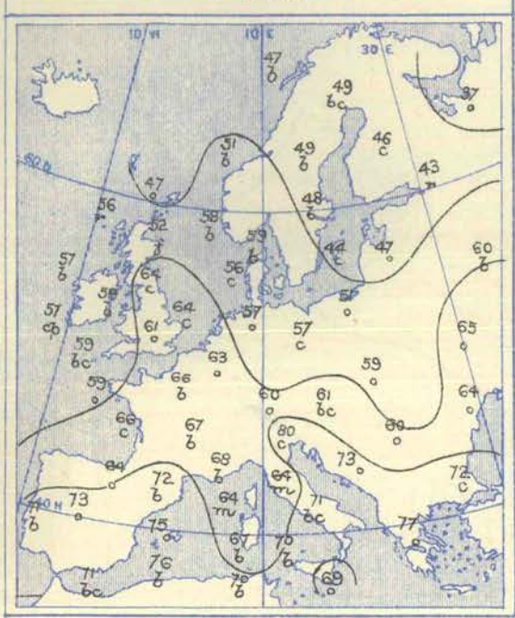
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

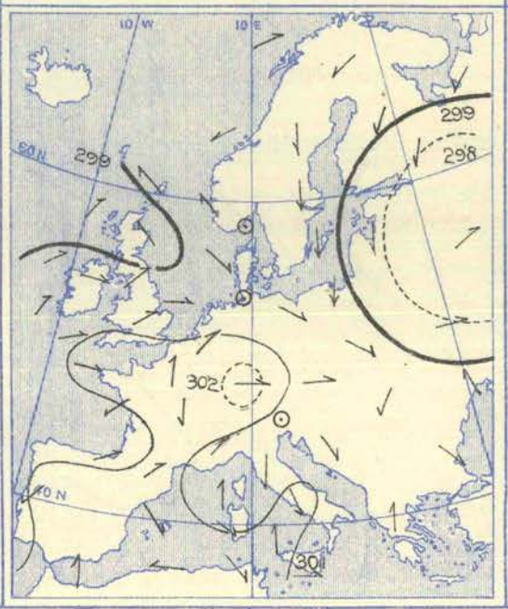
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 17th June.

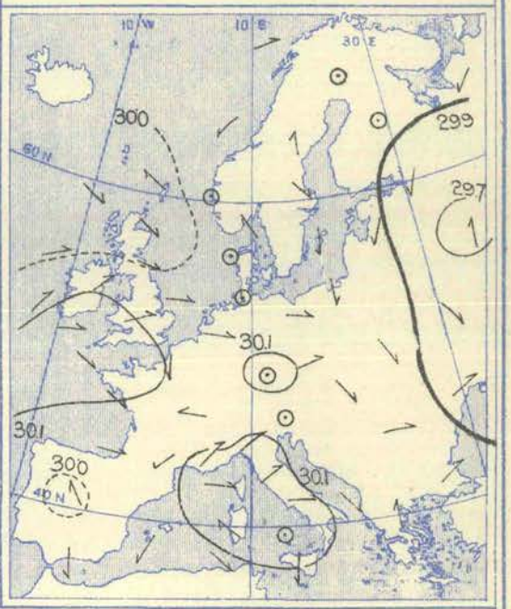
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright (1) over Spain, the Mediterranean, and France, (2) over Scandinavia; changeable over Russia and south-eastern Europe and the greater part of the British Islands. Slight showers later in several parts of the British Islands, France, and Central Europe, but a great deal of sunshine reported on our own south-western coasts, and a considerable amount in the west generally.

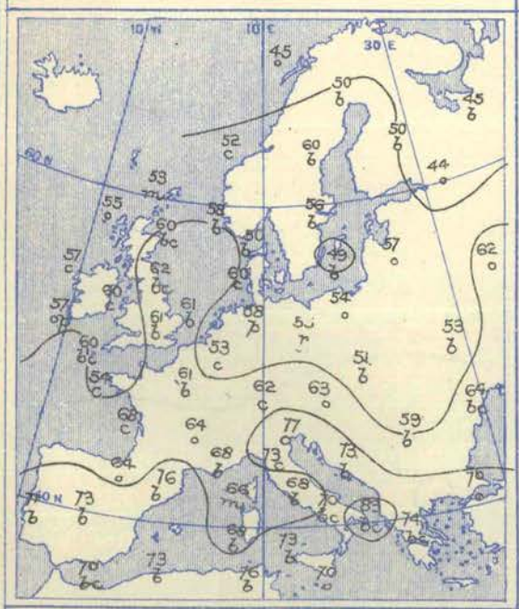
Temperature fallen over Russia, inclined to rise over England. Morning readings highest, 80° at Barcelona and Trieste, 77° at Patres, and above 70° on many of the shores of the Mediterranean and Adriatic; much above 60° over the western parts of Central Europe, and 59° to 61° over the south of our Islands and some parts of the eastern shores of the North Sea. Lowest, 37° at Archangel, 43° at St. Petersburg, 47° at Bodo and Sunburgh Head, 52° at Aberdeen. Rising later to above 70° over the north-eastern and inland parts of our Islands, to 73° at Berlin, 82° at Paris, 85° at Lyons, and 97° at Madrid.

Wind (1) Light and variable (anticyclonic) over Spain and France on the one hand and over Scandinavia on the other; (2) Westerly to Southerly, light, but cyclonic, in our Islands; completely cyclonic, but light, over Russia. Very little change later.

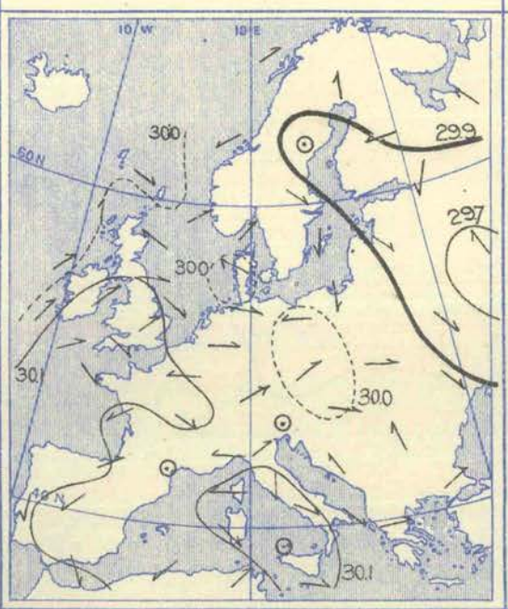
Barometer highest, 30·1 ins. and more over France, and exceeding 30·0 ins. over the eastern shores of the North Sea and Scandinavia. Lowest, 29·8 ins. and less in a large shallow depression over Russia, and below 29·9 ins. over Scotland and the neighbouring Islands. Rising later at some of our northern stations.

Monday, 18th June.

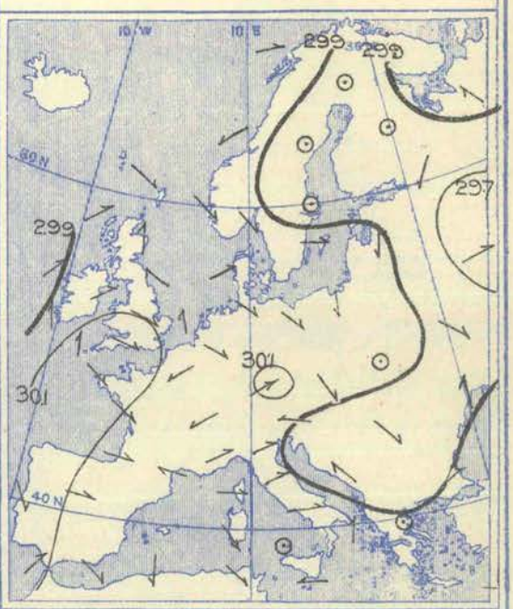
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the Mediterranean, France, Great Britain and Scandinavia; showery in the west of Ireland and over central Germany; dull over central Russia. Much rain later at Munich, and showers over the western and northern parts of the British Islands generally; a solar halo seen at Oxford.

Temperature changing little and irregularly. Morning readings highest, 83° at Brindisi, 77° at Trieste, 76° at La Calle and Barcelona, and above 70° at many of the Mediterranean stations; 66° to 60° over south Germany; 63° at Paris, 61° in London. Lowest, 45° at Archangel and Bodö, 44° at St. Petersburg, 50° at Kuopio, 53° at Sumburgh Head, 55° at Stornoway, rising later to 70° or more at Nairn and over central England, to 75° at Frankfort and 76° at Paris.

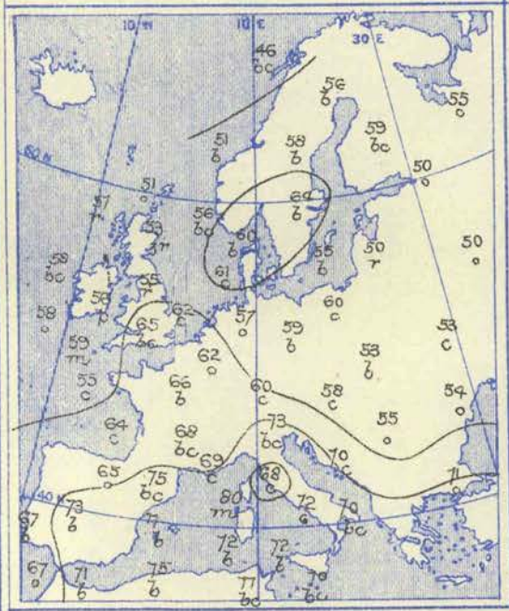
Wind was light and very variable over the Continent. Cyclonic over central Germany, anticyclonic in Norway and the north-west of France. Southerly to South-Westerly over the Hebrides and Ireland; freshening from the Southward in Ireland later; little change elsewhere.

Barometer highest, 30·22 ins. at Brest, 30·2 ins. to 30·0 ins. all over France and western Germany, and exceeding 30·0 ins. over the east and north of our Islands, and in Norway and Lapland. Lowest, (1) below 30·0 ins. in shallow depressions over the central and north-western parts of Germany, and also off the north-western coasts of the British Isles; (2) below 29·7 ins. over central Russia. Falling later over our Islands and France, most in the west of Ireland,—rising in Norway.

Tuesday, 19th June.

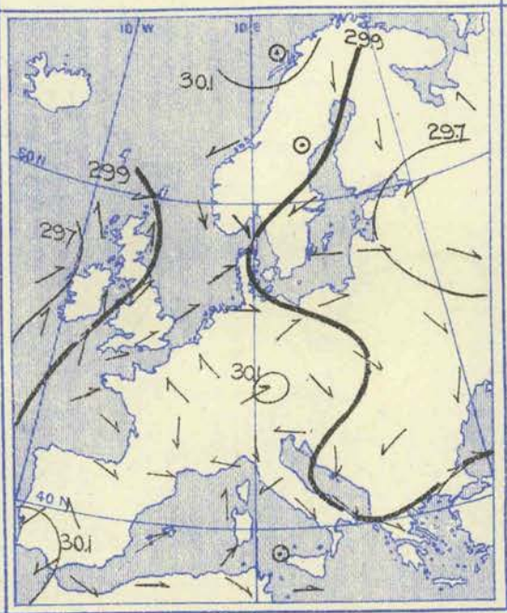
Temperature and Weather.

8 a.m.

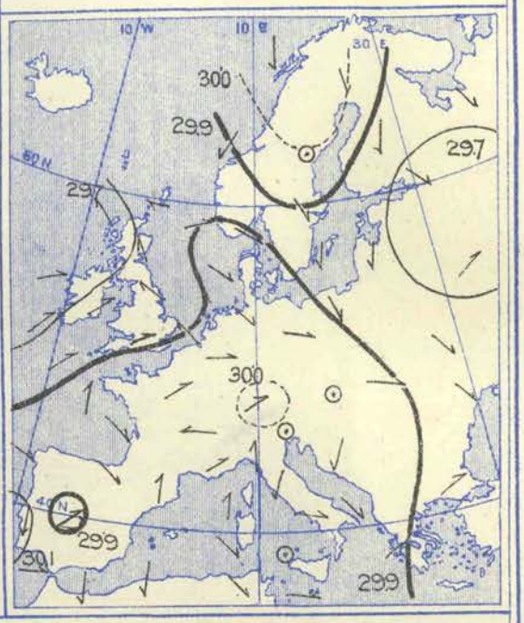


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of Europe, but dull and rainy over central Russia and the Baltic Provinces. Fine over the eastern half of England, showery in the west, in Scotland and in Ireland. Rain later in very variable quantities all over our Islands and many parts of France, thunder and lightning locally, and solar halos seen in many places.

Temperature in morning highest, 77° at Palma and Sfax and above 70° at many Mediterranean and Adriatic stations, 66° to 69° over the central parts of France and Germany, and 65° to 60° over the inland parts of the south of England; 64° at Stockholm, 62° at Faerder. Lowest, 46° at Bodö, 50° at Moscow, Riga and Wick, 53° at Aberdeen, 54° at Donaghadee. Rising later to more than 70° over central England, to 75° at Berlin, 82° at Paris and Lyons, 87° at Perpignan.

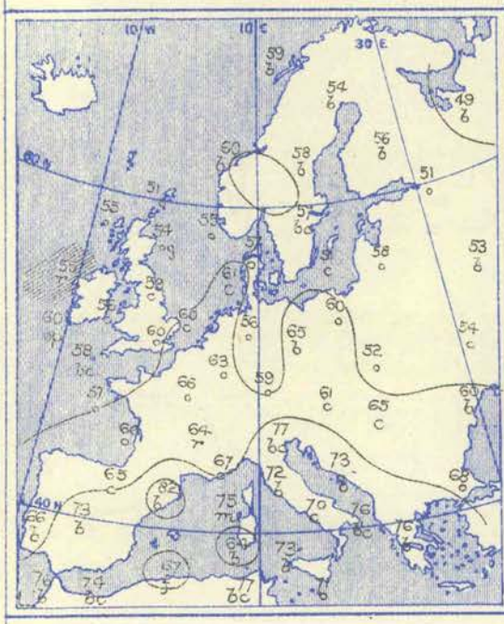
Wind was light to moderate generally—(1) mainly Northerly to North-Easterly over northern Europe, very variable over France and Spain; (2) cyclonic (but light) from North-East and North-West over Russia; (3) cyclonic from South on our western coasts and from between South and East in the north. Veering somewhat towards South-West in Ireland and England later, but becoming more generally South-Easterly over Scotland.

Barometer highest, 30·1 ins. and more to 30·6 ins.; (1) over the Iberian Peninsula, France and the greater part of Germany; (2) over Lapland and the northern parts of Norway. Lowest, 29·7 ins. and less; (1) in a depression over central Russia; (2) in a new system approaching our north-west coasts; 29·9 ins. and less over the Black Sea, Turkey and the south of Russia. Falling later over our Islands and western Europe generally.

Wednesday, 20th June.

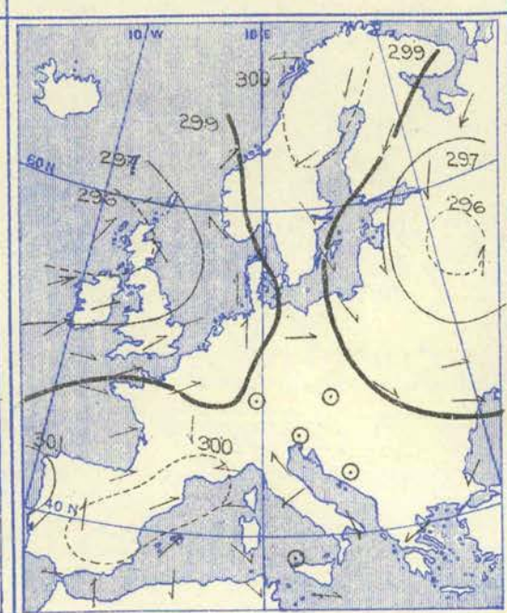
Temperature and Weather.

8 a.m.

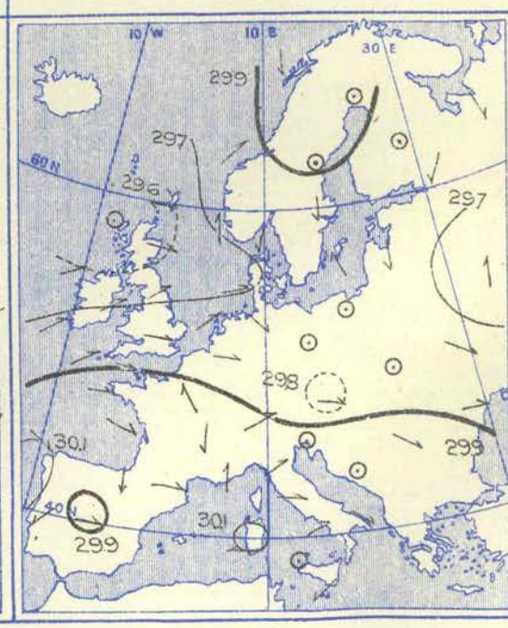


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright (1) over the Mediterranean, Adriatic and south-eastern Europe; (2) over Scandinavia and Finland; dull over the north-west of Russia, changeable and showery over the British Islands and France. Rain later in all parts of the United Kingdom, considerable at Roches Point, heavy at Scilly. Considerable falls in Germany and some parts of France; thunderstorms in a few districts.

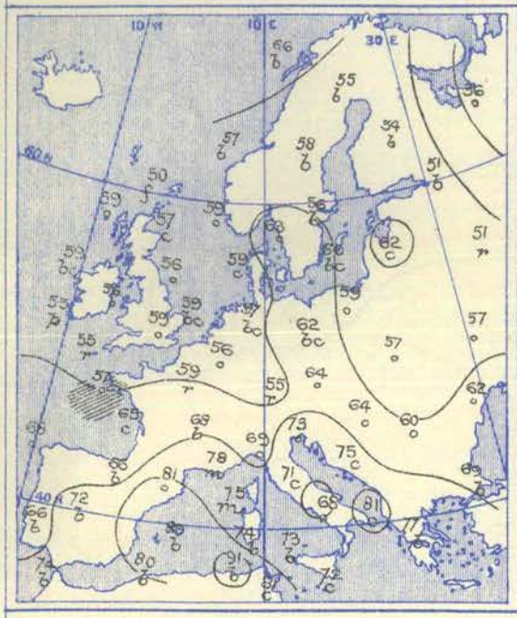
Temperature risen a little in western Russia and over central Europe; not changed much anywhere. Morning readings: highest, 82° at Barcelona, 77° at La Calle, 76° at Brindisi, above 60° over central Europe, and touching 60° in some parts of our Islands. Lowest, (1) 49° at Archangel, 51° at St. Petersburg, 53° at Moscow; (2) 50° at Nairn, 54° at Aberdeen, 55° at Stornoway and Blacksod, rising later to 69° over the Inland parts of England, to 74° at Paris, 75° at Berlin and Lyons, 85° at Perpignan.

Wind light, generally in force, mainly Northerly and North-Easterly over the northern parts of Europe, Westerly and South-Westerly over the greater part of our Islands and the north of France. Cyclonic circulations of little intensity, but covering large areas, found over central Russia, the north of our Islands, the south-west of France and east of Spain. No change of importance later.

Barometer.—Highest, 30·0 ins. and more to 29·9 ins. (1) over Lapland, Finland and Sweden; (2) over Southern Europe and in a "ridge" extending northward from Switzerland and Austria to Copenhagen. Lowest, 29·6 ins. at Moscow, 29·6 ins. and less over Scotland and the north of Ireland, 30·0 ins. and less in the extreme south-west of France and the north-east of Spain. Rising a little in Ireland later, falling slowly over the south-east of England and the North Sea.

Thursday, 21st June.

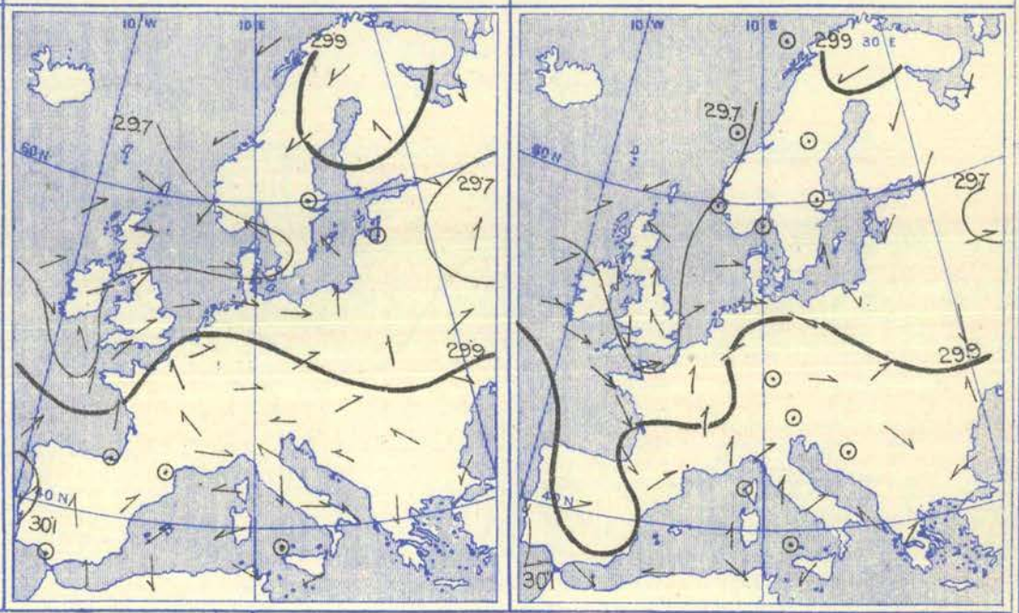
Temperature and Weather. 8 a.m.



Weather in morning dull, rainy and unsettled over northern France and England, showery in Scotland, comparatively fair over the north-western and northern parts of Ireland, fine and bright over Scandinavia on the one hand, and over the south of France and the Mediterranean on the other. Considerable rain later all over France and the British Islands, smaller quantities in Germany and Holland; thunder and lightning in various parts of Scotland and at Lyons.

Temperature falling in many places, but not uniformly. Morning readings highest, 91° at La Calle, 81° at Barcelona and Brindisi, and above 70° at most of the Mediterranean and Adriatic stations; above 60° over Germany, and as high as 66° (locally) at Bodö. Scarcely exceeding 60° later over Ireland, England and the north of France, though touching 67° at Nairn and Shields, 72° at Berlin, 86° at Lyons.

Barometer and Wind. 8 a.m. and 6 p.m.

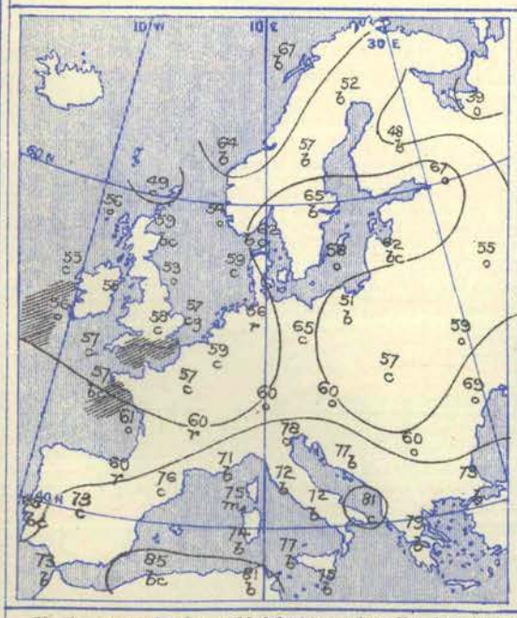


Wind light and anticyclonic (1) (North-Easterly and Northerly) over northern Europe, (2) very variable over the Mediterranean; South-Easterly to Southerly over the south of England, North-Westerly at Valencia, Westerly over north Germany, variable over Ireland and Scotland. Shifting later to West and North-West over the south of England and north of France, continuing variable and very light in the north.

Barometer highest, (1) 30·0 ins. and more to 29·9 ins. over the Mediterranean and all the southern countries of Europe; (2) 29·9 ins. and more over the northern parts of Sweden, Finland, and all the Kola Peninsula. Lowest, 29·7 and less in a shallow disturbance over central Russia; also over Denmark, Scotland, and Ireland, and in a shallow depression near Scilly. Latter disturbance moving eastwards later, and barometer rising throughout our Islands and France.

Friday, 22nd June.

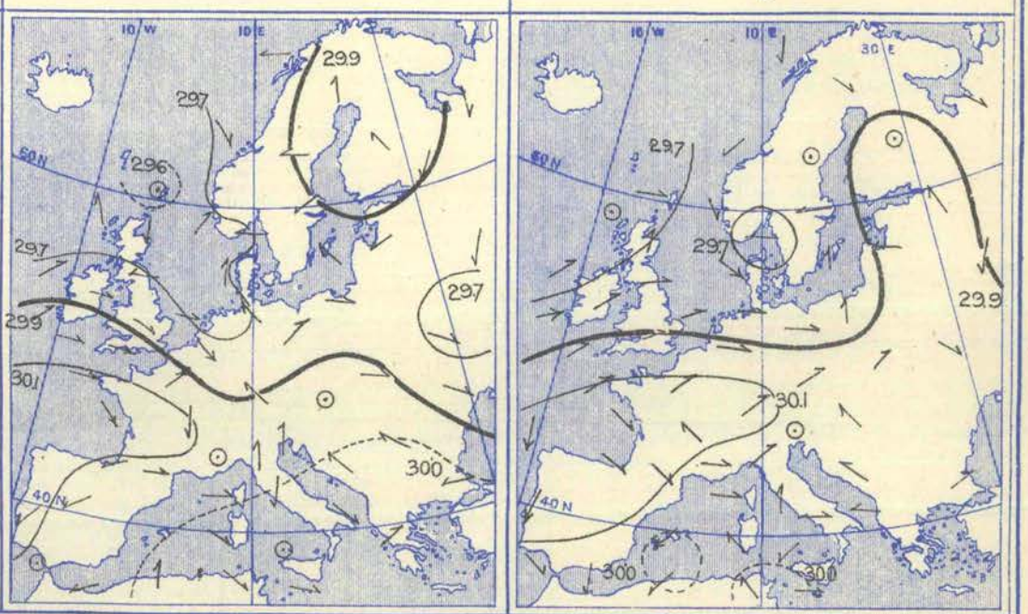
Temperature and Weather. 8 a.m.



Weather in morning fine and bright (1) over Scandinavia and Finland; (2) over the Mediterranean and south-eastern Europe; dull over Russia and central Europe; rainy over central France, the Netherlands, and in Caithness; fair over Great Britain as a whole, but becoming dull again in the west of Ireland; showery at Malin Head. Rain later in all parts of our Islands, Denmark and Germany and in some parts of France; thunder and lightning in places, but remaining fine in the extreme north and extreme south of Europe.

Temperature in morning (1) 85° at Algiers, 81° at Brindisi and La Calle, and above 70° over the Mediterranean generally; (2) above 60° over central Europe; (3) 67° at Bodö, 65° at Stockholm, 61° at Karlstad. Lowest, (1) 39° at Archangel, 48° at Kuopio, 52° at Haparanda; (2) 49° at Sumburgh Head, 53° at Wick and Shields. Rising later to 68° in London, 69° at Leith, 73° at Berlin and Paris, 81° at Nice.

Barometer and Wind. 8 a.m. and 6 p.m.

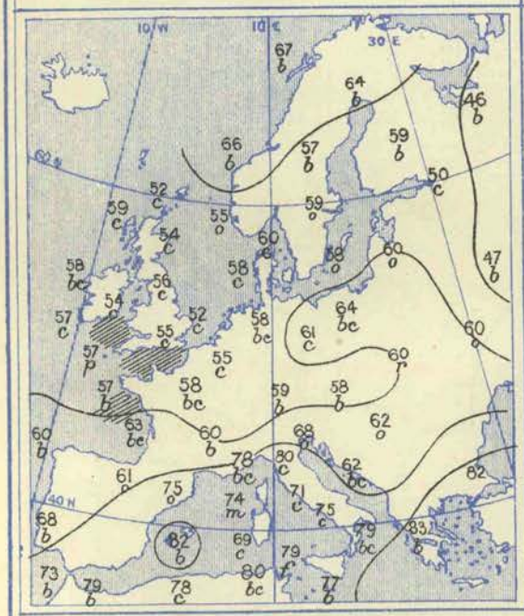


Wind was (1) light and anticyclonic over northern Europe, light and variable over the Mediterranean and south-eastern Europe; (2) moderate to fresh from West and North-West over England and the north of France, very variable in Scotland, South-Westerly in Ireland, South-South-East at Stornoway; (3) very light and variable (but cyclonic) over central Russia. Backing later to South-West and South-East at all our own western stations and increasing in force in the far west.

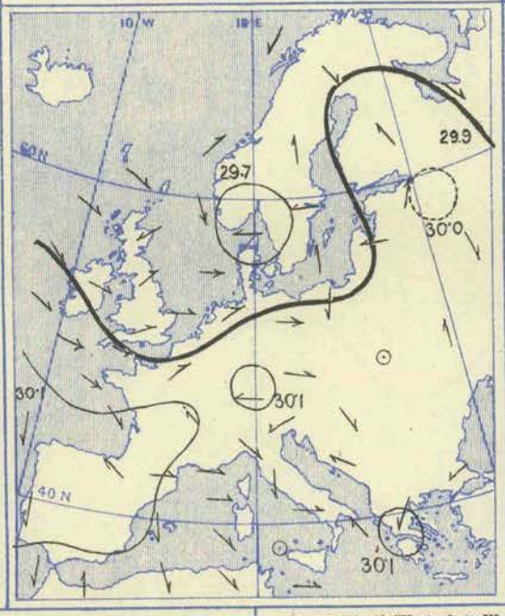
Barometer was highest (1) 30·1 ins. and more over Portugal and the Bay of Biscay, and exceeded 30·0 ins. almost all over Spain, France and the mouth of the English Channel; (2) 29·9 ins. and more in an anticyclone of slight intensity over Finland and the north of Sweden. Lowest, 29·7 ins. and less in a shallow disturbance over central Russia, and 29·7 ins. and less in a small system over the North Sea; (2) 29·6 ins. and less over the Shetlands. Fresh series of disturbances approaching the west of Ireland later and travelling across Great Britain at night.

Saturday, 23rd June.

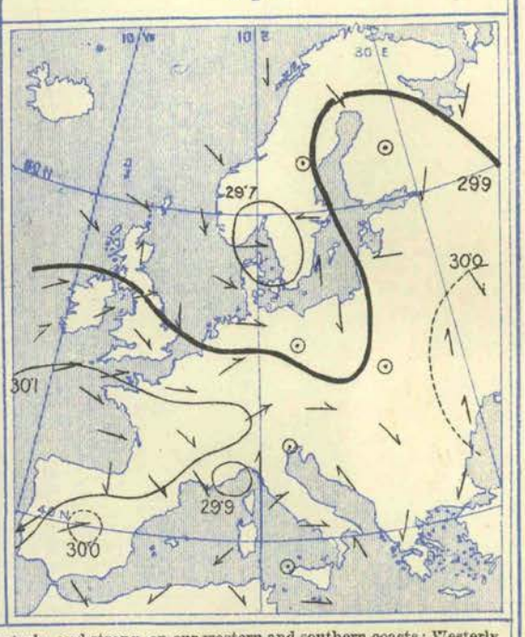
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright (1) over the extreme northern parts of Europe; (2) in many parts of Portugal and the southern and south-eastern parts of Europe. Dull and unsettled over the British Islands, the North Sea, and the southern parts of Scandinavia, with rain at many stations lying to the eastward of the North Sea. Becoming dull, rainy, and thundery later over our northern and western districts; rain in the south-east of England, Germany, and south-eastern Europe, and a large quantity at Cape Gris Nez. Remaining clear in the extreme north and south.

Temperature in morning (1), 80° at Leghorn and La Calle, and exceeding 70° in many parts of the Mediterranean; above 60° over central Europe; (2) 67° to 66° in the north-west of Norway. Lowest, 46° at Archangel, 47° at Moscow, and 52° to 55° over the greater part of the United Kingdom (though higher at Leith). Touching 73° at Leith later, but not nearly so high in other parts of our Islands, 68° at Paris, 73° at Berlin, 79° at Nice and Lisbon, 84° at Oran, 93° at La Calle, 95° at Palermo.

Wind (1) North-Westerly to Westerly, and strong, on our western and southern coasts; Westerly in north Germany; Southerly in Sweden; cyclonic (small circulation) round the Skager Rack; (2) Northerly in Russia; very variable over southern Europe. Moderating in our Islands later, and continuing variable over Scotland and northern and southern Europe.

Barometer highest, (1) 30·1 ins. and more over Spain and the southern half of the Bay of Biscay; (2) 30·0 ins. and more to 29·9 ins. over Russia. Lowest, below 29·8 ins. all over the North Sea and surrounding countries; 29·6 ins. and less in a small disturbance near the Scaw, and below 29·7 ins. in other shallow minima over the north-west of England and the North Sea. Rising decidedly later over the British Islands and France.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

This week commenced with pressure highest (30·2 ins. and more to 30·1 ins.) over France and the southern half of the Spanish Peninsula, and above 30·0 ins. in a broad band extending thence in a northerly direction over Denmark and Scandinavia. Lower pressures (29·8 ins. and less) were found in a shallow depression over Russia, and (29·9 ins. and less) over Scotland and the neighbouring parts of the Atlantic. The wind was consequently Northerly (North-East to North-West) over the eastern half of Europe, South-Westerly (West to South) over the United Kingdom, and very variable in the regions where pressure was highest. Temperatures differed but little from the mean, and ranged from between 80° and 70° on the western and southern shores of the Atlantic, to 60° and more ever France and the south of our Islands, to 47° at Sumburgh Head and Bodö, and to 37° at Archangel. The Russian low pressure system grew slowly deeper till the middle of the week, but then began to fill up slowly, and at the close of the week it was breaking up. In the west, however, successive areas of low pressure advanced from the Atlantic, bringing with them rain and Southerly winds in their van, and leaving behind them fair and quieter conditions and North-Westerly winds as they moved eastwards to the North Sea; temperature was never very high and varied somewhat fitfully.

On Thursday morning an additional (small) disturbance advanced eastwards towards Scilly and brought a great deal of rain to England, the northern parts of France and the Netherlands, but at the close of the week and improvement had occurred over north-western Europe very generally, not without indications, however, that fresh disturbances were advancing from the Atlantic, and that a repetition of the showers was imminent.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 146.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week
DEERNESS (Orkney Islands)	24·5	?	19	?	BRIGHTON	51·3	- 0·5	45	0
STRATHPEFFER SPA	18·8	- 21·8	15	- 18	WORTHING	48·5	?	43	?
EDINBURGH	35·9	- 0·4	30	0	BOGNOR	60·8*	?	53*	?
MORPETH	41·3	?	34	?	WATERGATE (Emsworth)	43·8	?	38	?
NEWCASTLE-ON-TYNE	34·5	?	29	?	WESTBOURNE (Emsworth)	54·5*	+ 5·7	48*	+ 5
OSWALDKIRK (Yorkshire)	37·5	+ 0·3	32	0	VENTNOR HOSPITAL	49·3	?	43	?
YORK	34·6	- 5·5	29	- 4	SOUTHPORT	54·0	?	46	?
LOWESTOFT	47·4	?	41	?	RHYL	50·1*	?	43*	?
HOLLESLEY BAY	51·4	?	45	?	COLWYN BAY	56·1	?	48	?
SHEFFIELD	40·6	?	35	?	ABERDOVEY	47·0*	?	40*	?
WORKSOP	35·8	- 0·4	31	- 1	TENBY				
THURCASTON (Leicestershire)	41·5	+ 2·3	35	+ 1	NEWQUAY	39·6	-13·7	35	-12
MARGATE	45·3	+ 3·3	40	+ 3	TORQUAY	54·5	- 0·3	48	- 1
EASTBOURNE	47·9	- 2·6	42	- 3	GUERNSEY	55·0*	- 2·8	49*	- 2

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 26.] *Third Series.* WEEK ENDING SATURDAY, JUNE 30TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 152.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	42	59·1	48·1	53·2	1 below	78	+ 5	0	− 1	705	+ 44	639	+ 16
	1. SCOTLAND, EAST	69	41	60·5	48.6	54·1	1 below	85	− 5	0	0	781	− 50	697	+ 48
	2. ENGLAND, N.E.	70	44	62·7	51·0	56·4	1 below	101	+ 5	0	0	852	+ 13	518	− 31
	3. ENGLAND, EAST	74	44	65·2	50·6	57·4	1 below	108	0	0	0	1044	+ 6	530	− 87
	4. MIDLAND COUNTIES	72	42	64·3	49·6	56·5	2 below	102	− 6	0	0	1024	− 54	567	− 52
	5. ENGLAND, SOUTH	73	42	64·0	51·1	57·1	3 below	106	− 9	0	0	1137	− 6	389	− 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	39	60·5	49·5	54·6	2 below	88	− 5	0	0	919	+ 24	506	+ 44
	7. ENGLAND, N.W.	68	44	61·8	51·0	56·0	2 below	98	− 4	0	0	937	− 8	452	− 7
	8. ENGLAND, S.W.	70	36	62·3	50·0	55·8	3 below	97	−11	0	0	1095	− 14	336	− 25
	9. IRELAND, NORTH	67	40	60·8	49·8	54·9	2 below	90	− 7	0	0	954	− 32	415	+ 20
	10. IRELAND, SOUTH	67	42	62·7	51·0	56·5	2 below	102	− 3	0	0	1135	− 19	373	+ 74
	—CHANNEL ISLANDS	69	48	63·8	54·0	58·6	1 below	116	+ 1	0	0	1404	+147	97	− 51

Rainfall.

	DISTRICTS. (See p. 152.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	8	1 more	124	+ 8	22·0	− 0·1
	1. SCOTLAND, EAST	5	8	3 more	103	+10	14·7	+ 1·0
	2. ENGLAND, N.E.	4	10	6 more	93	+ 5	13·1	+ 2·0
	3. ENGLAND, EAST	4	7	2 more	97	+12	12·9	+ 2·3
	4. MIDLAND COUNTIES	4	6	0 (average)	91	+ 8	14·5	+ 2·1
	5. ENGLAND, SOUTH	4	6	2 more	87	+ 7	14·4	+ 2·1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	19	12 more	108	+ 9	24·3	+ 1·2
	7. ENGLAND, N.W.	4	9	4 more	96	+ 6	15·9	+ 1·8
	8. ENGLAND, S.W.	4	7	1 more	101	+11	22·1	+ 4·7
	9. IRELAND, NORTH	5	10	5 more	119*	+14	17·6	+ 2·4
	10. IRELAND, SOUTH	5	6	0 (average)	109	+12	19·9	+ 2.1
	— CHANNEL ISLANDS	3	4	0 (average)	108	+11	17·6	+ 3·4

Bright Sunshine.

	DISTRICTS. (See p. 152.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	10	−28	8	−23	608	+ 5	27	0
	1. SCOTLAND, EAST	17	−23	14	−19	612	−86	27	− 4
	2. ENGLAND, N.E.	20	−21	17	−17	596	−100	26	− 4
	3. ENGLAND, EAST	34	−15	29	−13	809	−35	33	− 2
	4. MIDLAND COUNTIES	23	−17	20	−15	656*	−30	31	− 1
	5. ENGLAND, SOUTH	34	−11	30	−10	804	−32	35	− 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	31	−13	27	−10	730	+ 1	32	0
	7. ENGLAND, N.W.	27	−17	23	−14	768	+35	34	+ 2
	8. ENGLAND, S.W.	33	−19	29	−16	830*	−46	37	− 2
	9. IRELAND, NORTH	33	− 7	28	− 5	720	+22	32	+ 2
	10. IRELAND, SOUTH	29	−13	25	−12	752	−39	33	− 2
	— CHANNEL ISLANDS	46	− 4	41	− 3	920	−22	43	− 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was cool and unseasonable in all parts of the Kingdom. Rain fell very generally, both during the earlier and latter days of the week, but the intervening days were mainly dry, although the sky remained cloudy or overcast. Thunderstorms were experienced at some of the eastern and south-eastern stations on Monday.

Temperature was below the mean, the deficit being 1° in most of the northern and eastern districts, and 2° or 3° elsewhere. The highest of the maxima were recorded on the 29th over England, on the 30th in Scotland, and on irregular dates in Ireland; they varied from 74° in England E., and 73° in England S., to 67° in the Irish districts, and to 66° in Scotland N. and W. The lowest of the minima were registered during the early or middle part of the week, and ranged from 36° in England S.W. (at Llandovery), and 39° in Scotland W. to 44° over the northern and eastern parts of England, and to 48° in the Channel Islands.

Rainfall was more than the mean over the greater part of the Kingdom, but only just equal to it in the Midland counties, Ireland S. and the Channel Islands. In Scotland W., Ireland N. and England E. the excess was large.

Bright Sunshine was very deficient in all districts. The percentage of the possible duration ranged from 41 in the Channel Islands, and from 30 in England S. to 14 in Scotland E. and 8 in Scotland N.

Barometer and Wind.—During the first half of the week the weather was affected by a well-defined and rather deep depression which travelled south-eastwards over Ireland and England, and subsequently eastwards to Germany. Its passage over our Islands was accompanied by North-Easterly breezes in the north, and strong South-Westerly to North-Westerly or Northerly winds in the west and south. By Thursday the effects of this system had disappeared, and a feeble anticyclone, with light variable airs, lay over the United Kingdom. This soon gave way, however, and depressions approached our western and north-western coasts from the westwards and spread eastwards over the entire Kingdom bringing a return of moderate or fresh winds from between South and South-West.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 151 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		•	•	•		•	•	•			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	58	45	55·4	47·7	51·3	+ 0·2	65	0	5	0·70	+ 0·24	*	*	*	*
	Stornoway	63	48	58·3	48·4	53·0	0·0	77	0	6	0·31	− 0·35	15·5	−26·9	13	−21
	Wick	64	42	59·4	48·7	53·7	0·0	82	0	6	0·66	+ 0·18	*	*	*	*
	Lairg Ⓢ	66	42	62·4	47·7	54·5	+ 0·2	88	0	5	0·45	− 0·11	*	*	*	*
	Glencarron Ⓢ	63	43	57·9	47·1	52·1	− 2·4	71	0	6	0·99	− 0·16	*	*	*	*
	Fort Augustus Ⓢ	63	42	60·3	48·6	54·0	− 2·2	84	0	4	0·92	+ 0·31	3·2	−26·8	3	−21
	Fort William Ⓢ	62	45	60·1	48·7	54·0	− 1·8	84	0	4	1·24	+ 0·24	8·9	−32·1	7	−28
1. SCOTLAND E.	Nairn	66	44	61·4	48·6	54·6	− 1·2	88	0	5	0·39	− 0·01	*	*	*	*
	Aberdeen	66	42	60·1	49·1	54·2	− 1·3	85	0	4	0·21	− 0·19	15·7	−28·8	13	−23
	Braemar Ⓢ	61	41	57·1	45·0	50·7	− 2·8	61	0	3	0·46	− 0·22	14·5†	−26·3†	12†	−21†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	69	47	63·4	51·1	56·8	− 0·4	104	0	4	1·14	+ 0·71	*	*	*	*
	Marchmont Ⓢ	66	44	60·6	49·0	54·4	− 1·1	87	0	7	1·82	+ 1·23	21·3	−19·8	18	−16
2. ENGLAND, N.E.	Alnwick Castle	69	48	64·2	50·5	56·9	+ 1·4	104	0	4	1·47	+ 1·03	*	*	*	*
	Durham	66	44	62·1	49·7	55·5	− 1·8	95	0	5	1·16	+ 0·71	18·6	−19·4	16	−16
	Shields	67	49	61·1	50·7	55·5	− 0·6	95	0	4	1·41	+ 0·96	*	*	*	*
	Scarborough Ⓜ	66	50	61·8	51·8	56·5	− 1·0	102	0	4	0·74	+ 0·26	*	*	*	*
	Spurn Head	70	51	64·1	52·4	57·8	+ 0·1	111	0	3	0·27	- 0·08	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	74	46	67·5	49·9	58·1	− 0·7	113	0	4	0·31	− 0·20	27·0	−16·5	23	−14
	Yarmouth	68	46	62·3	51·3	56·4	− 1·8	101	0	5	1·03	+ 0·58	*	*	*	*
	Geldeston	71	44	65·0	49·5	56·7	− 1·7	103	0	4	0·66	+ 0·24	32·1	−15·1	28	−13
	Cambridge	74	47	68·0	50·1	58·4	− 1·4	115	0	3	0·53	+ 0·01	30·8	−13·2	27	−11
	Felixstowe	67	48	63·5	52·9	57·8	− 0·4	111	0	4	0·50	?	42·6	?	37	?
	Rothamsted	71	46	64·7	49·8	56·7	− 2·0	103	0	3	1·01	+ 0·50	29·9	−14·8	26	−12
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	71	45	67·0	50·9	58·4	− 0·2	115	0	4	0·35	− 0·16	*	*	*	*
	Loughborough	72	48	66·6	49·7	57·6	− 2·3	109	0	4	0·15	− 0·35	*	*	*	*
	Cheadle Ⓜ	66	47	61·4	49·7	55·1	− 1·2	92	0	4	1·42	+ 0·72	*	*	*	*
	Birmingham (Mid. Inst. Obs.)															
	Churchstoke Ⓜ	68	42	62·3	47·3	54·3	− 2·4	86	0	4	0·43	− 0·07	20·1	−22·4	17	−20
	Hereford (Belmont) Ⓜ	70	42	63·8	48·4	55·6	− 3·7	95	0	4	0·25	− 0·19	*	*	*	*
	Cirencester	70	43	64·0	49·4	56·2	− 1·7	99	0	4	0·71	+ 0·18	25·6	−17·9	22	−15
	Oxford	70	46	64·7	52·1	58·0	− 1·6	112	0	4	0·58	+ 0·09	27·6	−15·7	24	−14
5. ENGLAND, S.	London	73	47	66·3	50·6	57·9	− 3·4	111	0	3	0·92	+ 0·45	18·4†	−21·8†	16†	−19†
	Swarraton (Alresford) Ⓜ	69	42	64·5	47·8	55·6	− 3·9	95	0	4	0·87	?	*	*	*	*
	Dungeness	64	48	62·4	52·7	57·2	− 2·0	106	0	5	0·31	− 0·01	23·0	?	20	?
	Hastings (St. Leonards)	67	48	63·6	51·6	57·2	− 1·9	106	0	4	0·39	+ 0·02	41·9	− 9·1	37	− 8
	Southampton	71	48	67·3	51·2	58·7	− 1·8	117	0	4	0·80	+ 0·36	32·8	−14·9	29	−13
	Portland Bill	64	50	60·3	51·9	55·8	− 1·8	97	0	3	0·37	?	*	*	*	*
	Shaftesbury Ⓜ	69	?	63·5	?	?	?	?	?	4	0·57	− 0·03	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	62	45	60·0	49·3	54·3	− 2·2	86	0	7	1·90	+ 0·82	*	*	*	*
	Glasgow	64	47	59·7	50·3	54·7	− 1·8	89	0	4	1·78	+ 1·20	22·4	−15·8	19	−12
	Glenlee Ⓢ	66	39	61·6	48·1	54·4	− 2·0	87	0	3	2·64	+ 1·95	*	*	*	*
	Douglas (Isle of Man)	65	45	60·5	50·2	55·1	− 1·1	92	0	3	1·30	+ 0·83	40·2	−10·4	34	− 9
7. ENGLAND, N.W.	Newton Reigny	67	44	62·4	47·3	54·4	− 2·2	87	0	4	1·72	?	24·1	?	20	?
	Stonyhurst	64	48	61·6	50·4	55·6	− 1·8	95	0	3	0·83	+ 0·11	27·5	−16·0	23	−14
	Blackpool Ⓜ	65	49	62·4	52·1	56·9	− 1·2	104	0	3	0·70	+ 0·25	24·6	−19·4	21	−16
	Manchester (Prestwich)	68	46	62·9	50·9	56·5	− 0·8	102	0	4	0·95	+ 0·29	19·9	?	17	?
	Liverpool Obsy. (Bidston)	67	51	61·7	52·1	56·6	− 2·1	102	0	5	0·74	+ 0·31	21·6	?	19	?
	Llandudno Ⓜ	66	52	62·3	53·2	57·4	− 0·8	108	0	3	0·26	− 0·14	30·0	−14·2	26	−12
	Holyhead	62	49	59·4	50·7	54·8	− 2·9	90	0	2	0·84	+ 0·44	*	*	*	*
8. ENGLAND, S.W.	Llandovery	69	36	64·1	45·7	54·3	− 3·7	86	0	4	0·96	+ 0·30	*	*	*	*
	Pembroke	62	51	58·6	52·4	55·3	− 1·9	93	0	4	0·59	+ 0·19	26·9	−27·8	23	−23
	Clifton	68	48	64·1	52·6	58·0	− 1·1	112	0	4	0·67	+ 0·19	*	*	*	*
	Arlington (N. Devon)	64	45	61·1	49·0	54·6	− 2·5	88	0	4	0·92	+ 0·20	*	*	*	*
	Cullompton Ⓜ	70	43	65·0	49·4	56·7	− 2·7	103	0	3	0·45	− 0·20	27·7	−17·9	24	−16
	Falmouth	66	48	61·7	52·0	56·5	− 1·9	102	0	6	0·42	− 0·21	33·8	−19·2	30	−15
	Plymouth	65	47	61·6	49·0	54·9	− 5·0	90	0	2	0·52	+ 0·10	39·0	− 8·2	35	− 7
9. IRELAND, N.	Malin Head	61	52	58·1	52·6	55·2	− 0·5	92	0	5	0·17	?	*	*	*	*
	Londonderry	67	46	62·5	50·1	55·9	− 1·6	97	0	6	0·91	+ 0·41	*	*	*	*
	Edenfel (Omagh)	65	40	61·7	48·3	54·5	− 1·6	88	0	5	1·75	+ 1·21	*	*	*	*
	Blacksod Point	61	45	60·1	50·4	54·9	− 2·3	90	0	5	1·91	?	*	*	*	*
	Markree Castle	65	40	62·6	49·4	55·5	+ 0·1	95	0	6	0·61	− 0·04	41·4	+ 3·2	35	+ 3
	Armagh	65	45	62·7	49·0	55·4	− 1·3	94	0	5	0·66	+ 0·04	23·8	−16·6	20	−14
	Donaghadee	60	45	57·6	48·7	52·8	− 3·9	76	0	4	0·99	+ 0·59	*	*	*	*
10. IRELAND, S.	Dublin	67	49	65·3	51·6	58·0	− 1·2	112	0	6	0·48	+ 0·12	32·0	−12·0	28	− 9
	Parsonstown	67	44	63·4	49·4	55·9	− 1·5	97	0	6	0·80	+ 0·34	24·4	−13·9	21	−13
	Kilkenny	66	44	63·4	49·7	56·1	− 1·8	99	0	5	0·36	− 0·16	*	*	*	*
	Roche's Point	62	48	60·6	52·3	56·2	− 2·6	99	0	5	0·43	− 0·25	*	*	*	*
	Valencia	63	46	60·6	52·4	56·2	− 1·5	99	0	4	0·71	− 0·19	30·8	−14·2	27	−12
	Killarney	66	42	62·4	50·3	55·9	− 1·4	97	0	6	0·90	?	*	*	*	*
	Foynes	66	45	62·9	51·6	56·9	− 0·2	104	0	5	0·61	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	64	53	62·9	54·4	58·4	0·0	115	0	3	0·17	− 0·23	36·0	?	32	?
	Jersey	69	48	64·7	53·6	58·8	− 1·5	118	0	3	0·58	+ 0·20	50·9	− 4·1	45	− 4

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

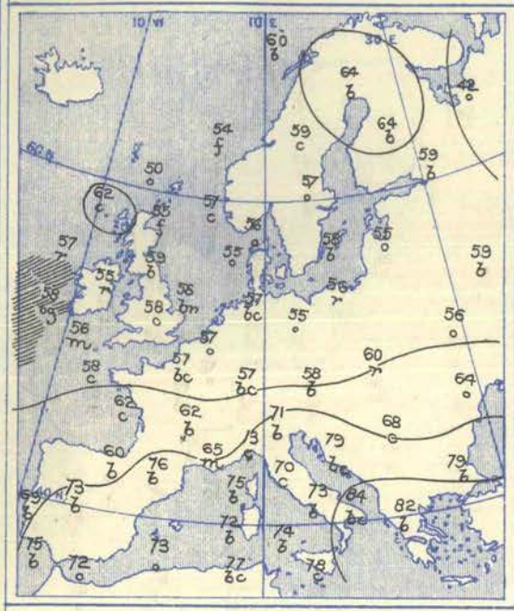
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 24th June.

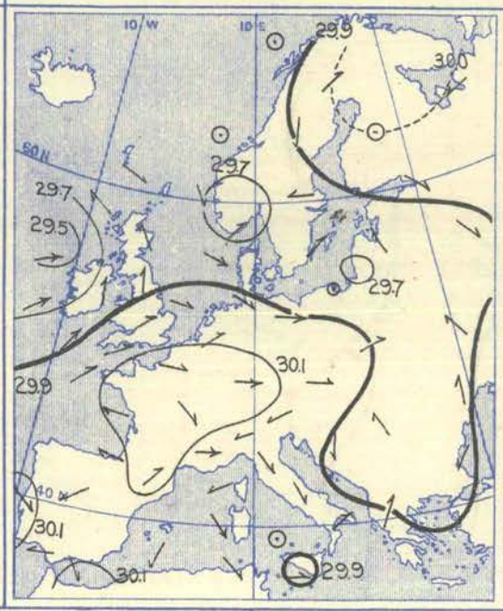
Temperature and Weather. 8 a.m.

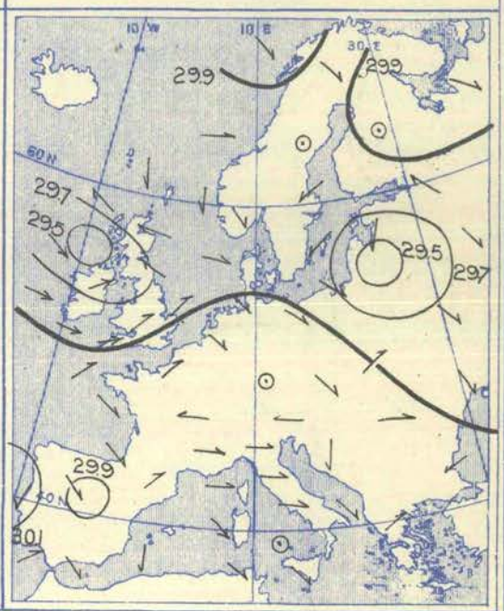


Weather in morning fine and bright (1) over Finland and northern Europe generally; (2) over Spain, the Mediterranean, and the south-eastern countries; dull and unsettled over the southern parts of Norway, dull and rainy over Ireland, Wales, and the south-west of England. Rain falling later in all parts of the British Isles and their neighbourhood amounting to nearly an inch at Leith, and 1·7 in. at Cape Gris Nez; thunder at Nairn.

Temperature risen a little over the British Isles. Morning readings highest, 84° at Brindisi, 82° at Patras, and exceeding 70° over nearly all parts of the Mediterranean, the Adriatic and central Spain; above 60° over south-eastern Europe and in the west of France, 60° at Bodö and Helsingfors. Lowest, 42° at Archangel, 50° at Sumburgh Head, 55° at Aberdeen, 53° at Malin Head and Swinemunde. Rising later to between 60° and 66° over England to 71° at Paris, 77° at Lyons and 85° at Perpignan, 86° at Sanguinaire, 91° at Tunis, 95° at Brindisi.

Barometer and Wind. 8 a.m. and 6 p.m.



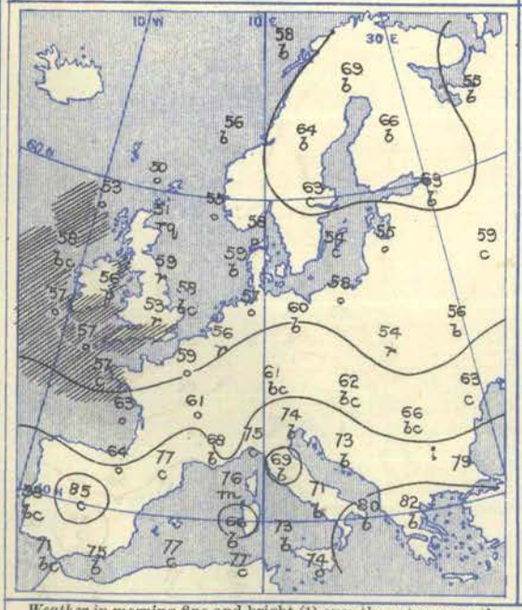


Wind was (1) light and anti-cyclonic in France and Spain, and also over northern Europe; (2) cyclonic from South-West and South-East on our western coasts and becoming strong in places; cyclonic also over the northern parts of the North Sea, north-east Germany, and Italy. Shifting to the westward later on our most western coasts and blowing strongly; but becoming decided from East in the north.

Barometer highest, 30·1 ins. and more to 30·0 ins. over Spain, France and the west and south of Germany. Lowest, 29·5 ins. and less over the north-west of Ireland; 29·7 ins. and less both over the south of Norway and near Memel; 29·9 ins. and less over the Balkan Peninsula. Depression in west advancing over the north of Ireland later and then moving south-eastwards. Barometer rising at Lisbon.

Monday, 25th June.

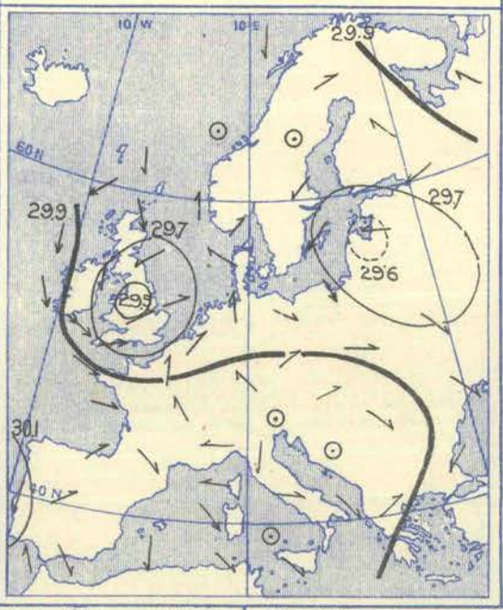
Temperature and Weather. 8 a.m.

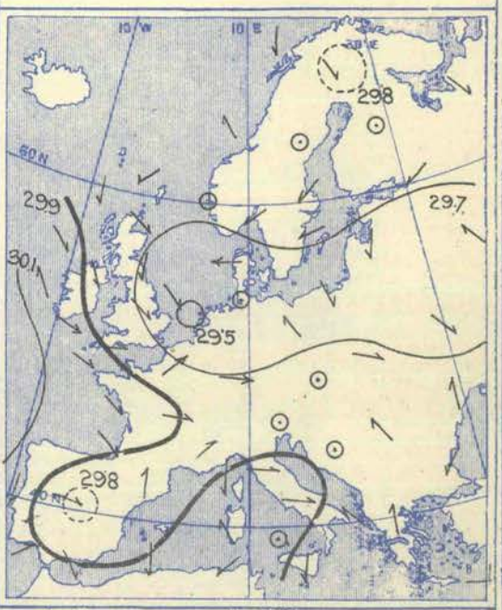


Weather in morning fine and bright (1) over the extreme northern parts of Europe, and (2) over the Mediterranean and some of the south-eastern countries; cloudy and unsettled over Russia, eastern Germany and Hungary, with rain in places; rainy and unsettled over the British Islands and their neighbourhood. Showers later over all but the most western parts of the kingdom; heavy rain, some hail, and thunder over our eastern counties and Holland; rain over Germany and the east of France.

Temperature highest, (1) 82° in Greece, 80° in Brindisi, and much above 70° over the greater part of the Mediterranean, and above 60° in the south of France and over south-eastern Europe; (2) 65° to 69° over Finland and Sweden, 63° at St. Petersburg. Lowest, (1) 50° at Sumburgh Head, 51° at Aberdeen, 53° in London; (2) 64° at Wisby and Lemberg, 53° at Cracow. Maxima during day not touching 55° in many parts of Scotland, and less than 65° all over our Islands; 73° at Berlin and Paris, 79° at Lyons.

Barometer and Wind. 8 a.m. and 6 p.m.



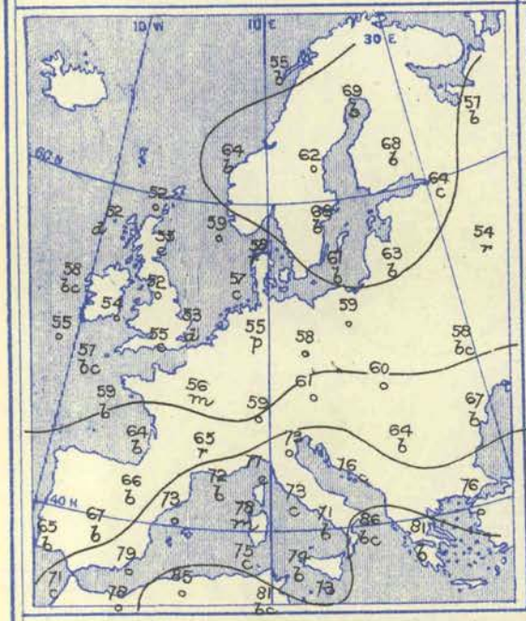


Wind (1) light and very variable over northern Europe, over the Mediterranean and southern Europe; (2) cyclonic circulation of light to strong breezes prevalent over the Baltic and north Germany, and of moderate to very strong and squally winds over the British Islands and their neighbourhood (Westerly in the south, Northerly in the west). Veering to North-West even at our southern and south-eastern stations later and moderating from North in the west.

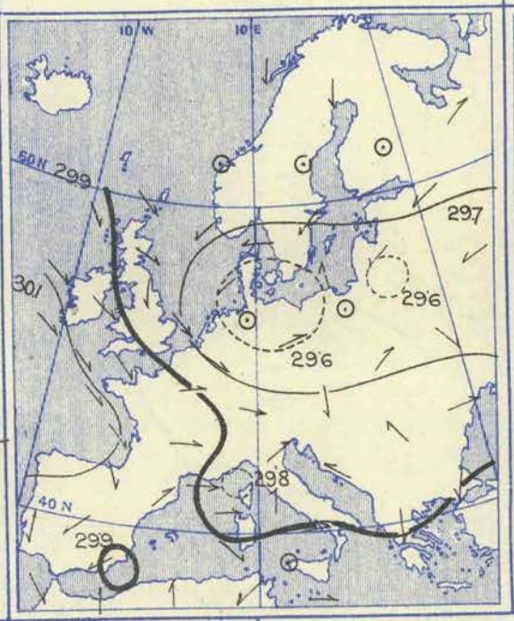
Barometer highest, (1) 30·1 ins. and more over Portugal, and exceeding 29·9 ins. all over southern Europe and the Mediterranean; (2) 30·0 ins. to 29·9 ins. over the north of Russia. Lowest, (1) 29·6 ins. and less in a rather complex depression over western and central Russia; (2) 29·5 ins. and less to 29·6 ins. in a smaller but deeper disturbance immediately over England. Latter system moving away to the eastward later, and barometer rising in our Islands.

Tuesday, 26th June.

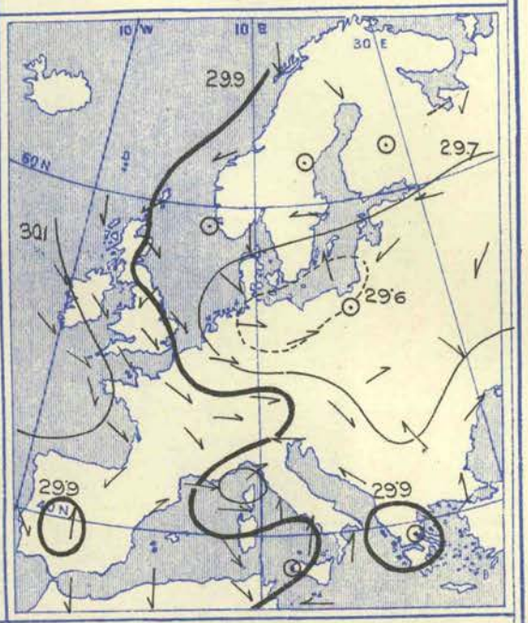
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning (1) fine and bright over northern Europe, and also over Spain and the southern and south-eastern parts of the Mediterranean, fair over the British Islands and France as a whole (slight drizzle at Stornoway); (2) dull and rainy in many parts of Germany and the east of France. Slight rain in Scotland later, larger quantities at Yarmouth and over central Europe; becoming clear over the south of our Islands at night.

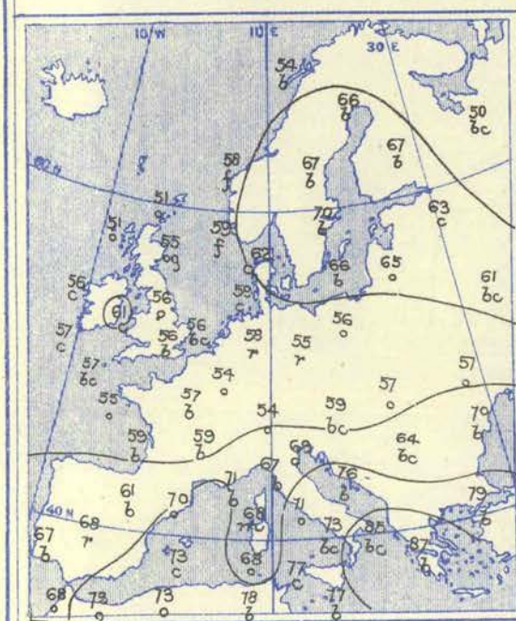
Temperature fallen slightly and irregularly over western Europe, risen over Russia. Morning readings highest, (1) 85° at Algiers, 80° at La Calle, 81° at Patras; above 70° at the majority of the Mediterranean stations, and above 60° over central Europe; (2) 68° at Stockholm, 69° at Hango, 64° at St. Petersburg. Lowest, 52° at Stornoway, Sumburgh Head and Shields, 52° at Münster, 55° at Cuxhaven. Rising later to between 60° and 64° in most parts of our Islands, 66° at Berlin, 69° at Paris, 78° at Perpignan, 88° at Nice.

Wind (1) Northerly and North-Easterly over northern Europe, Northerly and North-Westerly over our Islands, Westerly over Germany, Easterly to South-Easterly over the Baltic; (2) independent small cyclonic circulations noticed in various parts of the Mediterranean, Northerly breeze over Spain. Falling still lighter in our Islands later, but continuing Northerly to North-Westerly in direction.

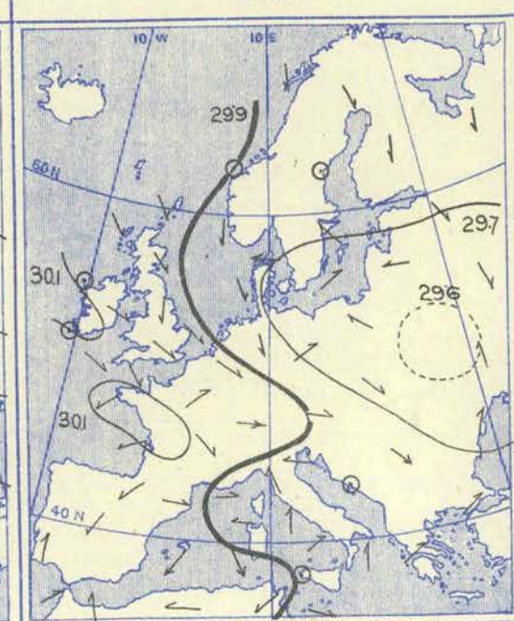
Barometer highest, 30·28 ins. at Ponta Delgada (Azores), 30·1 ins. and more to 30·6 ins. over the south-west of our Islands, western France and Portugal. Lowest, (1) 29·5 ins. and less to 29·6 ins. in an elongated and complex depression (apparently having 3 minima) over Germany, the Baltic and central Russia; (2) 29·7 ins. to 29·8 ins. in a small system over the Riviera and Gulf of Genoa; (3) 29·9 ins. and less in another near Alicante. Rising later over our Islands, the North Sea and France.

Wednesday, 27th June.

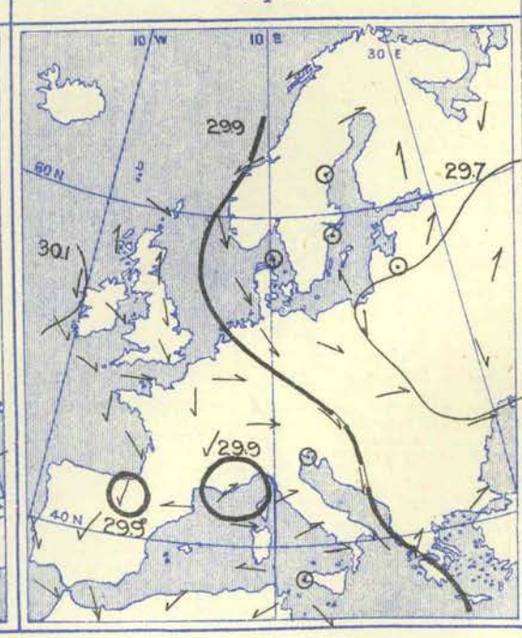
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the British Islands and north of France, but dull in places; fine and bright in northern Europe as well as in the south-east and south; dull over the central countries and in Holland. Rain later over many parts of central Europe and the Baltic; slight sporadic falls at a few of our own stations, but fair over the British Islands as a whole.

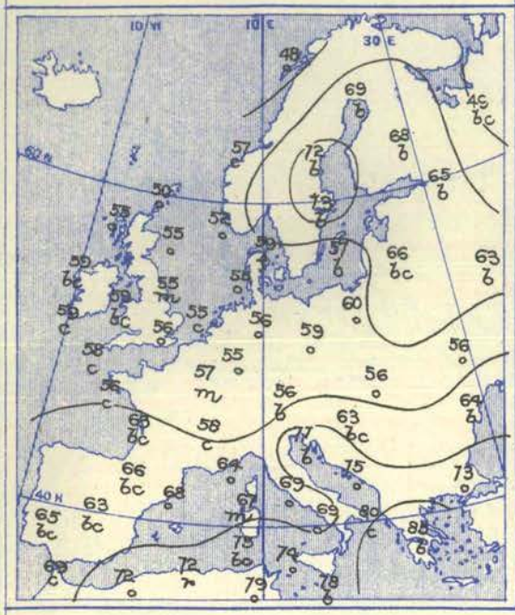
Temperature not changing much. Morning reading highest, (1) 85° at Brindisi, 88° at Patras, and much above 70° on the western, southern, and eastern shores of the Mediterranean, and above 60° over a good deal of central Europe; (2) 70° at Stockholm, and much above 60° over Finland and the north-west of Russia. Lowest, (1) 50° at Archangel, 52° at Bodo; (2) 51° to 55° over the northern parts of our Islands, 55° at Parsonstown and Berlin. Scarcely exceeding 65° later in any part of our Islands. Touching 71° at Paris, 79° at Nice, 86° at Cette, 93° at Brindisi, and 99° at Tunis.

Wind (1) light in force and mainly anticyclonic over the whole of western Europe; (2) light to moderate, but cyclonic over the more eastern countries, viz., Easterly to North-Easterly in the north, Westerly (North-West to South-West) in the south. Rather strong from North-East and North-West over the southern half of the Mediterranean. Remaining light over the western countries all day and not changing materially in the east.

Barometer highest, (1) 30·1 ins. to 30·6 ins. over the Bay of Biscay, the west of France, and nearly the whole of our Islands; and (2) 29·8 ins. and more in the extreme north of continental Europe. Lowest, 29·6 ins. and less to 29·7 ins. in a complex series of depressions over central Europe and the southern parts of the Baltic. Rising over Germany later, but not changing much over the United Kingdom.

Thursday, 28th June.

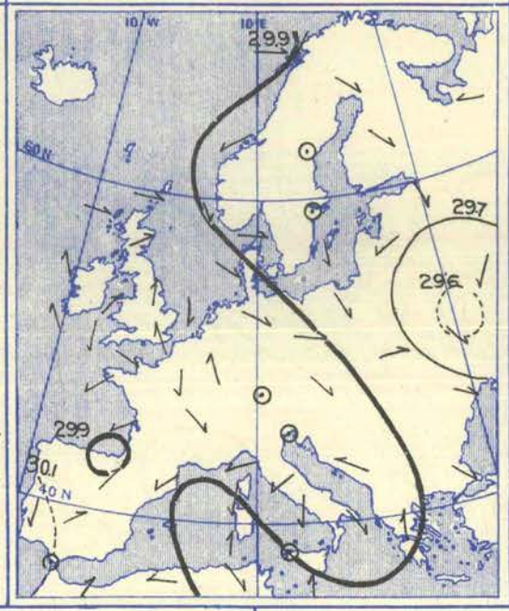
Temperature and Weather. 8 a.m.

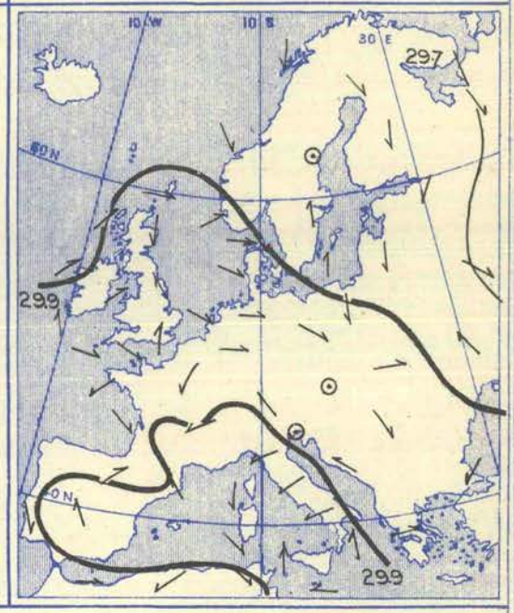


Weather in morning fine (1) over our Islands and France, but cloudy or hazy in Scotland and in London; (2) clear and bright over Finland and the north of Russia, and over south-western Europe as a whole. Dull over southern Russia; rainy over central Europe; some rain later in south of France. Considerable fall in the west of Ireland, a little in Scotland, and a heavy fall (nearly 2 ins.) at Faerder.

Temperature was changing very little, but inclined to rise over north-western Europe. Morning readings highest, (1) 85° at Athens, 80° at Brindisi, above 70° over the southern half of the Mediterranean, and at Lesina and Trieste, 60° and more over many parts of central and eastern Europe; (2) 73° at Stockholm and Helsingfors, 72° at Hernösand. Lowest, 49° at Archangel, 50° at Sumburgh Head, 55° at Shields and Yarmouth; (2) below 60° at some German stations. Rising later to 70° in some parts of Great Britain and at Berlin, to 73° at Paris, and to 79° at Rochefort as well as at Stockholm and Hernösand.

Barometer and Wind. 8 a.m. and 6 p.m.



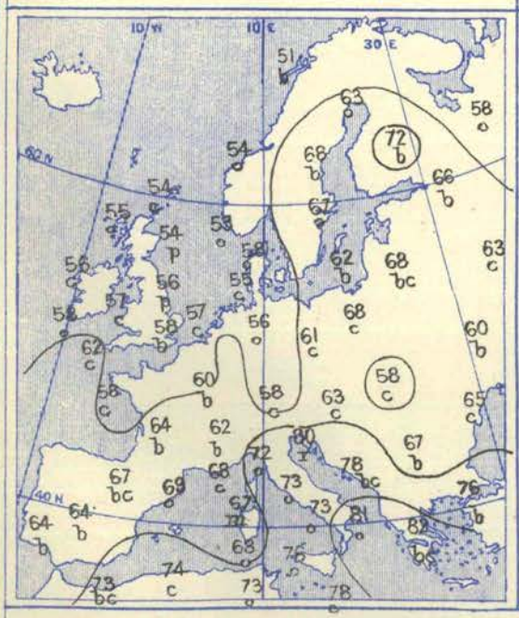


Wind extremely light and variable—anticyclonic over nearly the whole of western Europe; rather more brisk and cyclonic over Russia—North-Easterly to North-Westerly over the western half; South-Westerly at Kharkov. A slight increase of wind from South-West and South observable later in the extreme west of the British Isles.

Barometer highest, 30·0 ins. and more (1) in an anticyclone covering nearly the whole of our Islands, the north of France, western and southern Germany; (2) over Portugal. Lowest, about 29·6 ins in a large shallow depression over Russia, and below 29·9 ins. in a small depression near Biarritz. Falling later in the west and north-west of the British Islands; rising a little on the eastern shores of the North Sea.

Friday, 29th June.

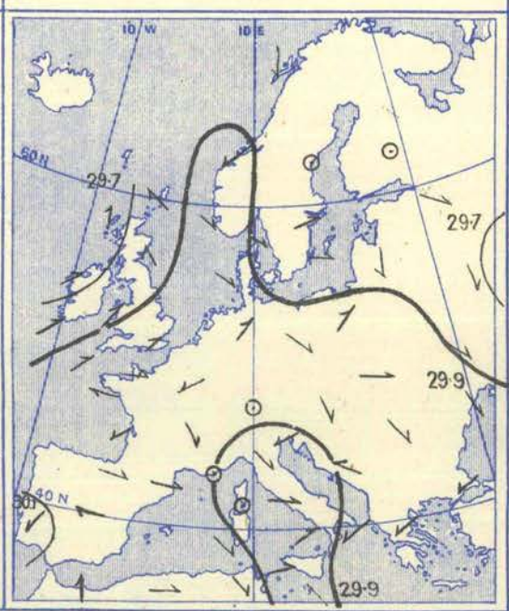
Temperature and Weather. 8 a.m.

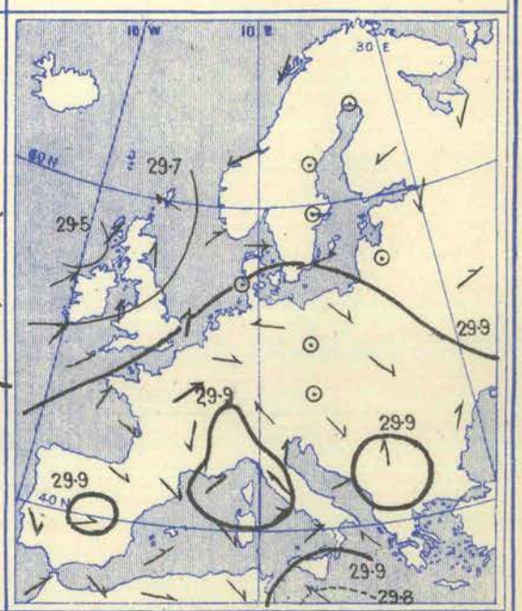


Weather in morning still fine over the eastern and southern parts of England (gloomy over London); fine and bright over Spain and France, also over Finland and some parts of Scandinavia. Rain falling later in all parts of the British Islands but not in large amounts; remaining fine over the Continent and in most places bright.

Temperature still creeping up in most parts of north-western and central Europe. Morning readings highest, (1) 80° and more in Greece and at Brindisi and Trieste, 79° at Sfax, 78° at Malta, and above 70° at many of the Mediterranean stations, 60° or more over Spain, France and many parts of central Europe; (2) 72° at Kuopio, 70° at Helsingfors, 67° at Stockholm. Lowest, 58° to 54° over nearly the whole of Ireland and Scotland, 51° at Bodö. Rising later to between 70° and 73° over the north-eastern and central parts of England, to 75° at Frankfort, 78° at Paris, and 84° at Perpignan.

Barometer and Wind. 8 a.m. and 6 p.m.



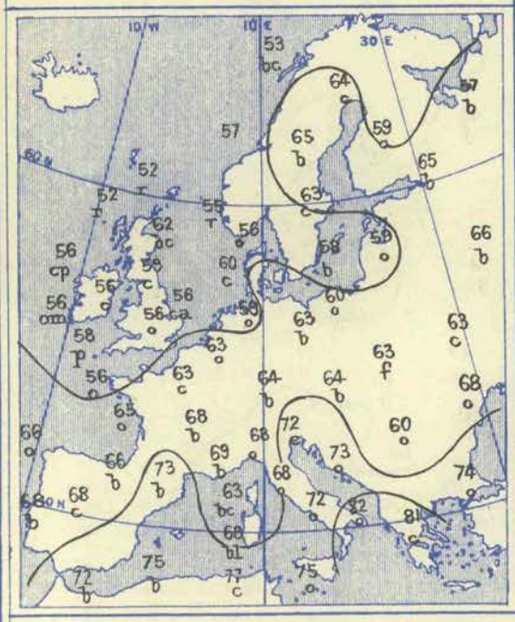


Wind (1) very variable and nearly calm over the greater part of the Continent and the south-eastern half of England; (2) Southerly to South-Westerly over our western and northern districts, but of little force; (3) a cyclonic circulation of moderate to fresh breezes prevailing over the eastern parts of the Mediterranean. The South-Westerly current becoming general over the British Isles later, and freshening a little in the west.

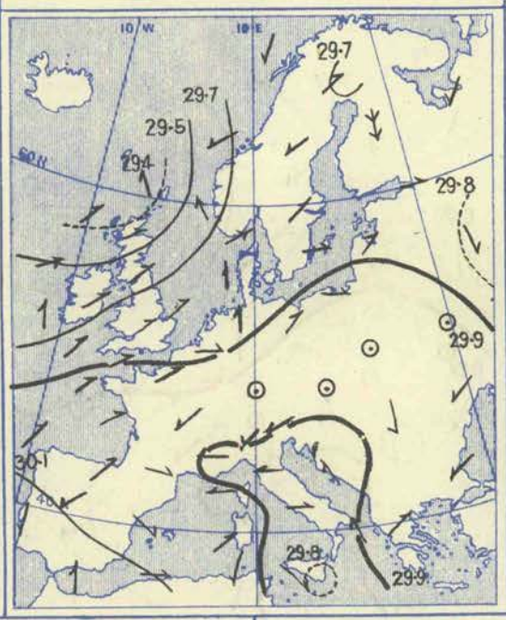
Barometer highest, 30·12 ins. at Lisbon, and exceeding 30·0 ins. over northern Africa, Spain, the Bay of Biscay, the north of France, north-western Germany, Austria, and the Balkan Peninsula. Lowest, (1) 29·7 ins. and less at our own extreme north-western stations, and also over central Russia; (2) 29·8 ins. and less over Finland and the Gulf of Bothnia, and in a small depression near Faerder; (3) 29·9 ins. and less over Italy, Sicily and Malta. The depression off our north-west coasts moving slowly later, but spreading eastwards and south-eastwards.

Saturday, 30th June.

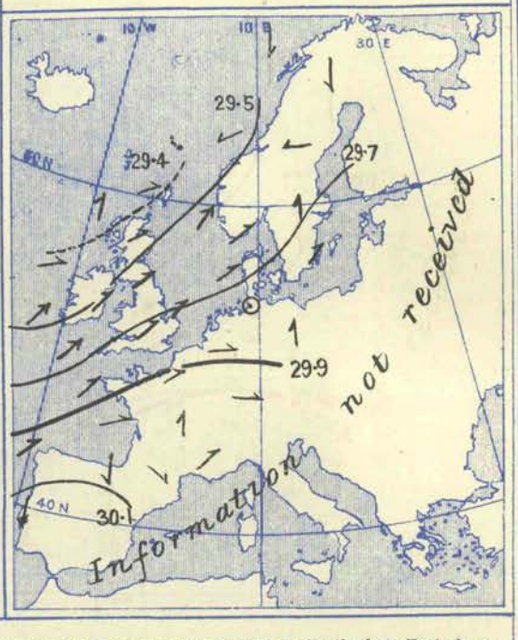
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy generally, with rain occasionally in almost all parts of our Islands and the neighbouring parts of the Continent. The rain falling later, not measuring much except at Wick (where a thunderstorm occurred), at some of our western stations, and in some parts of France and Belgium.

Temperature rather low in our Islands for time of year. Morning readings highest, 82° at Brindisi, 77° to 73° on the coasts of Tunis and Algeria, 69° to 66° over the southern half of France, 66° at Moscow, 68° at Uleaborg, 65° to 60° in Sweden and the east of Scotland. Lowest, 52° at Sumburgh Head and Stornoway, 55° at Malin Head, 56° on the shores of the Irish Sea and at Yarmouth.

Wind (1) light and variable over central and south-eastern Europe, Southerly to Easterly on the eastern shores of the North Sea; (2) South-Westerly to Southerly, light to moderate, over our Islands generally, but South-Easterly at Sumburgh Head; very variable over the Mediterranean. No decided change later except in the Shetlands, where the wind shifted to South-West.

Barometer highest, (1) 30·1 ins. and more over Algeria and the south-west of the Spanish Peninsula, and ranging between 30·0 ins. and 29·9 ins. all over south-western, southern, and central Europe; (2) 29·82 ins. at Bodö. Lowest, (1) 29·4 ins. and less over the north of Scotland, the Hebrides and Shetlands; (2) 29·8 ins. and less over central Russia. Falling over the British Isles all day, especially at Valencia, appearance very disturbed.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week the barometer was highest (30·1 ins. and more to 30·0 ins.) over the Spanish Peninsula, France, and the west and south of Germany, and somewhat high (30·0 ins. and more) over the extreme north of Europe. Two shallow disturbances lay over north Germany and the south of Norway, and another, deeper one, was advancing towards the north of Ireland from the Atlantic. The latter system moved, first, in a south-easterly direction across England, then eastwards over the Netherlands to Germany, where by 8 a.m. on Tuesday a long and complex (but not deep) disturbance having three minima was observed. In its rear, *i.e.*, over the British Islands, the weather (which had been rough and showery, improved considerably, and only a few sporadic showers occurred for several days, though the sky continued cloudy, or became hazy in many places, and temperature was rather low. Small depressions appeared meanwhile over the northern parts of the Mediterranean and the Adriatic.

On Thursday an anticyclone, in which the barometer stood at 30·0 ins., covered the whole of Ireland, England, the north of France and west of Germany, and it was in the rear (the western extremity) of this system that a new series of disturbances began to encroach slowly on our Islands from the Atlantic. Their first effect was to cause a temporary burst of fine weather and heat over the Kingdom (maxima over England 73° and over France still higher) but by the close of the week their clouds and showers were dominant in all parts of our Islands, and the wind was moderate from between S. and W.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 152.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	10·7	?	8	?	BRIGHTON	44·2	− 7·6	39	− 7
STRATHPEFFER SPA	11·8	− 27·0	10	− 21	WORTHING	42·4	?	37	?
EDINBURGH	17·1	− 17·4	14	− 14	BOGNOR	35·1*	?	33*	?
MORPETH	28·9	?	24	?	WATERGATE (Emsworth)	24·4	?	21	?
NEWCASTLE-ON-TYNE	17·6	?	15	?	WESTBOURNE (Emsworth)	34·1*	− 13·1	30*	− 12
OSWALDKIRK (Yorkshire)	18·6	− 17·3	16	− 15	VENTNOR HOSPITAL	31·7	?	28	?
YORK	14·2	− 24·4	12	− 20	SOUTHPORT	25·3	?	21	?
LOWESTOFT	34·1	?	30	?	RHYL	30·5*	?	26*	?
HOLLESLEY BAY	38·5	?	33	?	COLWYN BAY	29·6	?	26	?
SHEFFIELD	20·1	?	17	?	ABERDOVEY	38·7*	?	33*	?
WORKSOP	17·2	− 17·9	15	− 16	TENBY				
THURCASTON (Leicestershire)	26·3	− 11·5	23	− 10	NEWQUAY	29·1	− 23·9	26	− 20
MARGATE	33·3	− 7·3	29	− 8	TORQUAY	40·1	− 12·9	35	− 13
EASTBOURNE	47·6	− 2·3	42	− 3	GUERNSEY	51·8*	− 3·7	46*	− 3

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 27.] *Third Series.* WEEK ENDING SATURDAY, JULY 7TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 158.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	69	37	59·9	47·2	53·1	2 below	78	0	0	0	783	+ 44	639	+ 16
	1. SCOTLAND, EAST -	71	37	62·9	47·1	54·4	2 below	87	- 9	0	0	868	- 59	697	+ 48
	2. ENGLAND, N.E. -	71	45	64·1	51·2	57·2	1 below	106	+ 4	0	0	958	+ 17	518	- 31
	3. ENGLAND, EAST -	74	48	66·0	52·7	58·9	1 below	118	+ 4	0	0	1162	+ 10	530	- 87
	4. MIDLAND COUNTIES	74	41	64·8	50·2	57·0	2 below	105	- 8	0	0	1128*	- 63	567	- 52
	5. ENGLAND, SOUTH -	75	47	65·2	53·3	58·8	1 below	118	- 3	0	0	1255	- 9	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	66	44	61·9	50·2	55·7	1 below	96	- 1	0	0	1015	+ 23	506	+ 44
	7. ENGLAND, N.W. -	67	44	61·6	52·0	56·5	2 below	102	- 5	0	0	1039	- 13	452	- 7
	8. ENGLAND, S.W. -	72	42	63·6	51·1	56·9	2 below	104	- 8	0	0	1199	- 22	336	- 25
	9. IRELAND, NORTH -	67	42	61·1	49·8	55·1	2 below	92	- 8	0	0	1046	- 40	415	+ 29
	10. IRELAND, SOUTH -	67	46	62·9	51·9	57·0	1 below	105	- 4	0	0	1240	- 23	373	+ 74
	—CHANNEL ISLANDS-	66	53	62·9	55·5	59·0	2 below	119	- 2	0	0	1523	+145	97	- 51

Rainfall.

	DISTRICTS. (See p. 158.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	6	11	3 more	130	+10	23·1	+ 0·3
	1. SCOTLAND, EAST -	5	6	0 (average)	108	+11	15·3	+ 1·1
	2. ENGLAND, N.E. - -	5	6	2 more	98	+ 7	13·7	+ 2·2
	3. ENGLAND, EAST -	5	5	0 (average)	102	+14	13·4	+ 2·2
	4. MIDLAND COUNTIES	4	3	3 less	95	+ 8	14·8	+ 1·9
	5. ENGLAND, SOUTH -	3	4	1 less	90	+ 7	14·8	+ 2·0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	5	7	0 (average)	113	+10	25·0	+ 1·1
	7. ENGLAND, N.W. -	3	4	2 less	99	+ 6	16·3	+ 1·7
	8. ENGLAND, S.W. - -	4	3	4 less	105	+11	22·4	+ 4·4
	9. IRELAND, NORTH	5	5	1 less	124	+14	18·1	+ 2·3
	10. IRELAND, SOUTH -	4	6	0 (average)	113	+13	20·5	+ 2·0
	— CHANNEL ISLANDS-	4	7	3 more	112	+11	18·3	+ 3·7

Bright Sunshine.

	DISTRICTS. (See p. 158.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	33	- 6	26	- 6	641	- 2	27	0
	1. SCOTLAND, EAST -	43	+ 5	35	+ 3	655	- 81	27	- 4
	2. ENGLAND, N.E. - -	39	0	33	0	635	-100	26	- 4
	3. ENGLAND, EAST -	47	+ 2	42	+ 2	847	- 33	34	- 1
	4. MIDLAND COUNTIES	42	+ 2	36	+ 1	697*	- 28	31	- 1
	5. ENGLAND, SOUTH -	47	0	42	0	851	- 33	35	- 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	51	+ 8	43	+ 7	781	+ 9	33	+ 1
	7. ENGLAND, N.W. -	47	- 1	40	- 1	815	+ 35	34	+ 2
	8. ENGLAND, S.W. - -	56	+ 6	50	+ 6	886	- 39	37	- 2
	9. IRELAND, NORTH	49	+11	42	+10	769	+ 33	32	+ 1
	10. IRELAND, SOUTH -	43	+ 4	37	+ 3	795	- 36	33	- 2
	— CHANNEL ISLANDS-	53	+ 1	48	+ 1	973	- 22	43	- 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period varied greatly. Some rain fell almost daily in the west and north, but in the south and south-east it was generally confined to the earlier half of the period; considerable intervals of sunshine were experienced in all parts of the Kingdom. Thunderstorms, accompanied by hail, occurred over the south and south-east of England on Tuesday, and again in the east and south-east on Friday.

Temperature was again below the mean, the deficit ranging between 1° and 2°. The highest of the maxima were recorded on the 5th, when they varied from 75° in England S., and 74° in England E. and the Midland Counties, to 66° in Scotland W. and the Channel Islands. During the greater part of the week the daily maxima were considerably below 70°, and at some northern and north-western stations they were sometimes below 60°. The lowest of the minima were registered, as a rule, on the 4th, and varied from 37° in Scotland N. and E., and 41° over the Midland Counties to 48° in England E., and 53° in the Channel Islands.

Rainfall exceeded the mean in Scotland N., England N.E. and the Channel Islands, and just equalled it in Scotland E. and W., England E., and Ireland S.; in the other districts it was less than the normal.

Bright Sunshine was fairly abundant over the Kingdom as a whole, and in most districts exceeded the mean. The percentage of the possible duration ranged from 50° in England S.W., and 48° in the Channel Islands to 33° in England N.E., and to 26° in Scotland N.

Barometer and Wind.—Several depressions passed over the northern parts of our Islands from the westward, while their accompanying secondary systems moved in a similar direction over our more southern districts and the north of France. The winds were at first moderate from the South-Westward or Westward, but after Tuesday they were mainly North-Westerly, and very fresh in force; and at the end of the period, when a depression of increasing depth had reached the Sound, they had become strong from the Northward at several of the north-eastern and eastern stations.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 157 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°			°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	61	43	56·4	46·7	51·2	− 0·7	64	0	5	0·29	− 0·20	*	*	*	*
	Stornoway	62	43	58·3	47·7	52·6	− 0·9	74	0	7	1·40	+ 0·72	37·2	− 3·2	30	− 3
	Wick	65	37	59·4	47·3	52·9	− 1·6	76	0	6	0·57	+ 0·06	*	*	*	*
	Lairg Ⓢ	69	38	62·5	44·8	53·0	− 1·4	77	0	6	1·14	+ 0·54	*	*	*	*
	Glencarron Ⓢ	62	43	58·2	46·9	52·2	− 2·6	71	0	7	1·38	+ 0·18	*	*	*	*
	Fort Augustus Ⓢ	66	41	63·2	47·1	54·6	− 1·9	88	0	6	1·83	+ 1·16	25·5	− 2·5	21	− 1
	Fort William Ⓢ	65	45	61·3	49·6	55·0	− 1·4	91	0	6	0·88	− 0·18	31·1	− 6·2	25	− 7
1. SCOTLAND, E.	Nairn	68	43	62·6	47·0	54·3	− 2·2	86	0	6	0·55	+ 0·07	*	*	*	*
	Aberdeen	70	42	62·3	48·1	54·7	− 1·5	89	0	5	0·28	− 0·19	48·0	+ 5·6	39	+ 4
	Braemar Ⓢ	62	37	58·3	43·0	50·1	− 4·2	57	0	7	1·01	+ 0·33	41·7†	+ 3·2†	34†	+ 2†
	Ochtertyre Ⓢ	71	41	66·9	46·7	56·1	− 1·4	99	0	5	0·14	− 0·18	*	*	*	*
	Leith	70	47	65·7	49·9	57·3	− 0·5	107	0	4	0·45	− 0·03	*	*	*	*
	Marchmont Ⓢ	65	40	61·3	47·6	54·0	− 2·2	84	0	4	0·80	+ 0·15	47·3	+ 7·3	39	+ 6
2. ENGLAND, N.E.	Alnwick Castle	70	47	64·8	50·2	57·0	+ 0·6	105	0	5	0·71	+ 0·23	*	*	*	*
	Durham	67	45	62·8	50·2	56·1	− 1·9	99	0	5	0·42	− 0·08	38·8	+ 1·6	33	+ 1
	Shields	69	46	62·3	50·3	55·9	− 2·0	97	0	6	0·54	+ 0·05	*	*	*	*
	Scarborough Ⓜ	71	47	66·0	51·8	58·4	+ 0·2	115	0	4	0·59	+ 0·08	*	*	*	*
	Spurn Head	68	49	64·6	53·7	58·8	+ 0·2	118	0	4	0·85	+ 0·48	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	72	50	66·2	52·4	58·8	− 0·7	118	0	6	0·58	+ 0·01	43·8	+ 1·1	38	+ 1
	Yarmouth	71	49	63·6	53·3	58·1	− 1·1	113	0	5	0·82	+ 0·32	*	*	*	*
	Geldeston	73	48	66·3	52·1	58·7	− 0·6	117	0	5	0·87	+ 0·39	45·2	− 1·1	40	− 1
	Cambridge	74	49	68·4	52·6	60·0	− 0·6	126	0	4	0·12	− 0·41	47·7	+ 4·1	42	+ 4
	Felixstowe	69	50	65·4	53·5	59·1	− 0·1	120	0	5	0·44	?	48·9	?	43	?
	Rothamsted	72	50	65·8	52·4	58·6	− 0·8	116	0	5	0·13	− 0·42	48·5	+ 3·5	43	+ 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	68	46	65·6	51·1	57 9	− 1·5	111	0	4	0·22	− 0·33	*	*	*	*
	Loughborough	73	45	66·7	51·1	58·4	− 2·2	115	0	4	0·10	− 0·40	*	*	*	*
	Cheadle Ⓜ	66	45	61·4	49·1	54·8	− 2·1	90	0	5	0·47	− 0·24	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	70	47	63·4	49·8	56·1	− 3·0	99	0	4	0·34	− 0·31	28·5	?	25	?
	Churchstoke Ⓜ	69	41	62·9	48·4	55·2	− 2·1	92	0	4	0·46	− 0·04	43·9	+ 2·9	38	+ 2
	Hereford (Belmont) Ⓜ	74	42	66·6	48·6	57·0	− 2·8	105	0	1	0·10	− 0·38	*	*	*	*
	Cirencester	72	45	64·9	50·6	57·3	− 1·3	107	0	4	0·25	− 0·34	43·1	+ 0·7	38	+ 1
	Oxford	74	49	66·6	52·6	59·1	− 1·3	120	0	3	0·20	− 0·33	44·3	+ 1·7	39	+ 2
5. ENGLAND, S.	London	75	50	67·7	53·7	60·2	− 1·6	127	0	3	0·58	+ 0·08	43·5†	+ 4·3†	38†	+ 4†
	Swarraton (Alresford) Ⓜ	73	47	65·7	51·9	58·3	− 2·1	114	0	3	0·28	?	*	*	*	*
	Dungeness	68	48	64·1	55·0	59·2	− 0·7	120	0	2	0·23	− 0·15	?	?	?	?
	Hastings (St. Leonards)	66	49	63·5	53·3	58·0	− 1·7	112	0	5	0·49	+ 0·09	50·7	+ 0·5	45	+ 1
	Southampton	75	50	68·7	53·8	60·7	− 0·6	131	0	4	0·49	+ 0·01	47·0	0·0	42	0
	Portland Bill	64	51	61·6	52·3	56·6	− 1·5	102	0	3	0·37	?	*	*	*	*
	Shaftesbury Ⓜ	70	?	64·4	?	?	?	?	?	4	0·20	− 0·45	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	66	47	61·6	49·6	55·2	− 1·7	92	0	6	1·00	− 0·12	*	*	*	*
	Glasgow	64	48	62·2	50·6	56·0	− 1·0	98	0	5	0·58	− 0·04	42·3	+ 5·3	35	+ 5
	Glenlee Ⓢ	65	44	62·2	49·4	55·4	− 1·6	94	0	6	1·29	+ 0·54	*	*	*	*
	Douglas (Isle of Man)	65	49	61·7	51·2	56·1	− 0·6	99	0	2	0·07	− 0·43	59·3	+10·3	51	+ 9
7. ENGLAND, N.W.	Newton Reigny															
	Stonyhurst	63	46	61·2	50·4	55·4	− 2·6	94	0	5	1·00	+ 0·20	37·7	− 4·3	32	− 4
	Blackpool Ⓜ	63	47	61·6	52·4	56·7	− 2·1	103	0	1	0·19	− 0·31	38·6	− 4·4	33	− 4
	Manchester (Prestwich)	64	44	61·5	50·5	55·6	− 2·3	95	0	5	0·54	− 0·16	35·0	?	30	?
	Liverpool Obsy. (Bidston)	64	51	61·4	53·0	56·9	− 2·4	104	0	2	0·22	− 0·17	49·4	?	43	?
	Llandudno Ⓜ	67	53	63·1	54·0	58·2	− 0·7	113	0	2	0·08	− 0·37	49·9	+ 7·0	43	+ 6
	Holyhead	63	51	60·9	51·7	56·0	− 2·4	98	0	2	0·09	− 0·36	*	*	*	*
8. ENGLAND, S.W.	Llandovery	71	42	65·6	47·1	55·7	− 2·7	96	0	4	0·32	− 0·40	*	*	*	*
	Pembroke	60	52	59·0	53·3	56·0	− 1·8	98	0	2	0·12	− 0·30	55·5	+ 2·5	49	+ 4
	Clifton	70	51	65·5	53·6	59·1	− 0·6	120	0	3	0·13	− 0·38	*	*	*	*
	Arlington (N. Devon)	65	47	62·4	50·1	55·8	− 1·8	97	0	5	0·48	− 0·34	*	*	*	*
	Cullompton Ⓜ	72	43	67·0	50·8	58·3	− 1·9	114	0	4	0·34	− 0·36	48·2	+ 4·2	43	+ 4
	Falmouth	66	50	61·9	52·6	56·9	− 2·1	104	0	4	0·25	− 0·43	62·9	+10·9	56	+11
	Plymouth	70	46	64·0	50·4	56·7	− 4·0	103	0	3	0·12	− 0·36	58·5	+12·3	52	+11
9. IRELAND, N.	Malin Head	60	42	58·4	51·3	54·6	− 1·8	88	0	4	0·09	?	*	*	*	*
	Londonderry	64	47	61·7	50·7	55·8	− 2·2	97	0	5	0·76	+ 0·21	*	*	*	*
	Edenfel (Omagh)	64	43	61·3	47·9	54·1	− 2·3	85	0	6	0·75	+ 0·15	*	*	*	*
	Blacksod Point	62	51	60·7	51·9	56·0	− 1·7	98	0	6	0·60	?	*	*	*	*
	Markree Castle	66	44	62·1	49·1	55·2	− 0·8	92	0	6	0·70	− 0·04	48·4	+12·4	41	+11
	Armagh	67	44	63·4	48·8	55·6	− 1·7	95	0	4	0·56	− 0·11	49·8	+11·6	43	+10
	Donaghadee	65	47	60·3	49·1	54·3	− 2·9	86	0	5	0·27	− 0·18	*	*	*	*
10. IRELAND, S.	Dublin	67	49	65·1	52·1	58·2	− 1·5	113	0	4	0·65	+ 0·25	51·0	+10·0	44	+10
	Parsonstown	66	48	63·1	50·1	56·2	− 1·7	99	0	5	0·49	+ 0·01	33·4	− 2·0	29	− 2
	Kilkenny	67	46	64·3	49·9	56·6	− 1·8	102	0	3	0·73	+ 0·19	*	*	*	*
	Roche's Point	65	51	62·1	53·1	57·3	− 2·2	107	0	4	0·43	− 0·25	*	*	*	*
	Valencia	62	53	61·3	53·4	57·1	− 1·3	106	0	5	0·51	− 0·44	43·6	+ 1·9	38	+ 2
	Killarney	65	48	62·9	51·8	57·0	− 0·6	105	0	5	0·49	?	*	*	*	*
	Foynes	63	51	61·5	52·6	56·7	− 0·7	103	0	3	0·71	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	63	54	61·7	55·3	58·3	− 0·7	114	0	3	0·22	− 0·22	51·0	?	46	?
	Jersey	66	53	64·0	55·7	59·6	− 2·3	123	0	4	1·13	+ 0·71	50·6	− 3·0	46	− 2

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

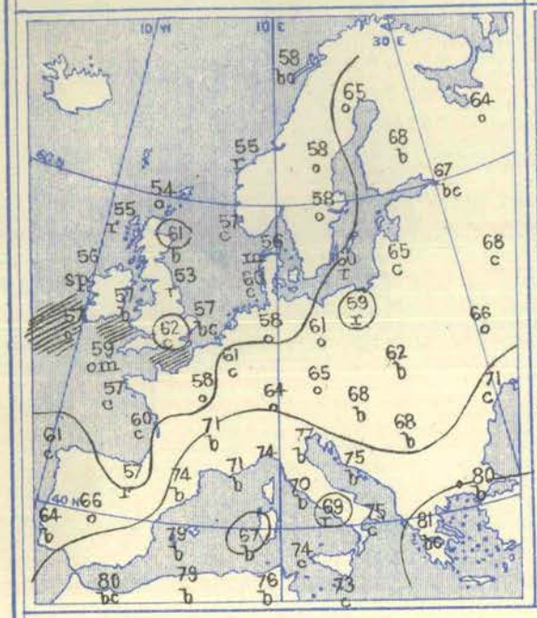
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

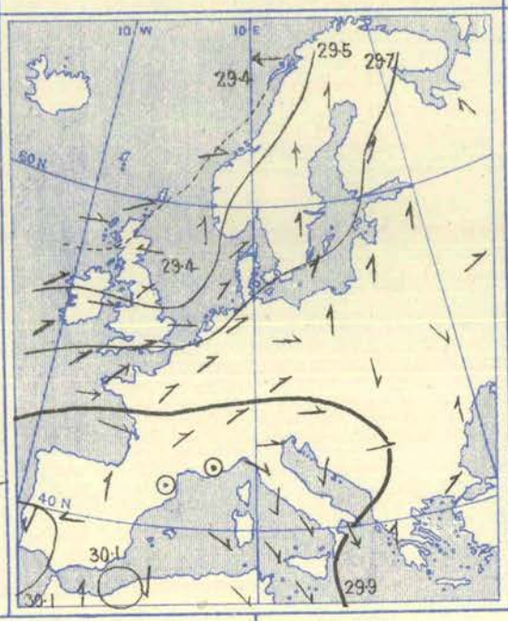
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 1st July.

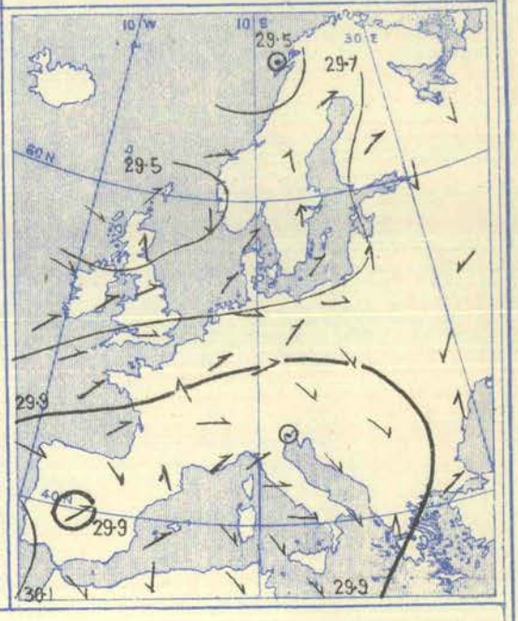
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair, but not at all settled, over the British Islands, the North Sea, and neighbouring countries, but fine and bright over southern, south-eastern, and eastern Europe; rain falling at many of our northern stations, and in the west of Norway, also locally at Sanguinaire and Naples. Rain later at many stations—as much as 0·30 in. at Wick, 0·77 in. at Jersey, 0·3 in. at Portland Bill, and 0·6 in. at Brest. Remaining bright and clear over Spain, the south of France, and south-eastern and eastern Europe.

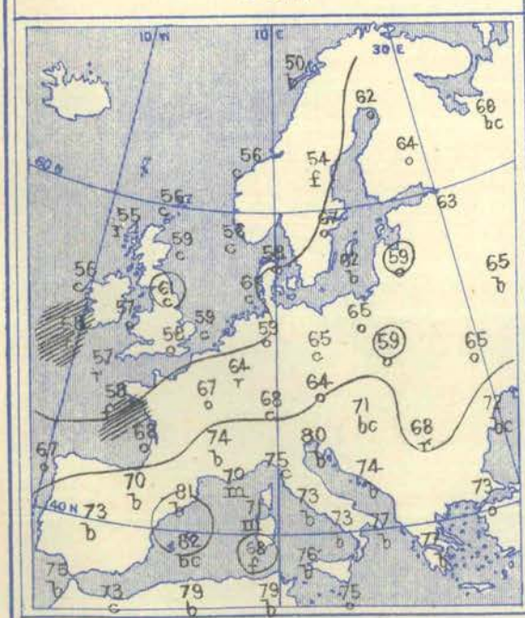
Temperature in morning highest, 81° at Athens, 77° at Trieste, 75° at Brindisi, and above 70° over the major part of southern Europe; above 60° over most of Russia, Germany, France, and the southern parts of the British Islands. Lowest, 54° at Sumburgh Head, 55° at Stornoway and at Pembroke, 57° at Holyhead and Liverpool Observatory. Rising later to 70° at Leith (not so high at our other stations), to 72° at Berlin and Rochefort, to 90° at Lyons, 87° at Perpignan.

Wind very light and variable over the southern and eastern countries; Westerly (moderate to fresh) over Ireland and England; South-Westerly to Southerly over the countries lying to the eastward of the North Sea, forming one great cyclonic system, with a few local differences, especially over north Britain; Easterly at Bodö. Inclined to "back" again over the south of Ireland later.

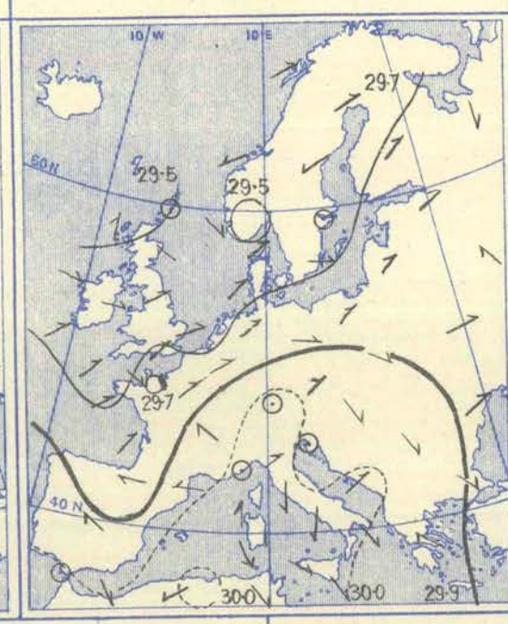
Barometer highest, 30·14 ins. at Lisbon, and exceeding 30·0 ins. over south-western Europe and the Mediterranean. Lowest, 29·4 ins. and less off our northern coasts, and in a small local depression off the east of Scotland; gradients moderate over the south of England and English Channel; slight elsewhere. Changing little and irregularly later; small "V" shallow depressions appearing in parts of our neighbourhood, and a more marked one over Spain.

Monday, 2nd July.

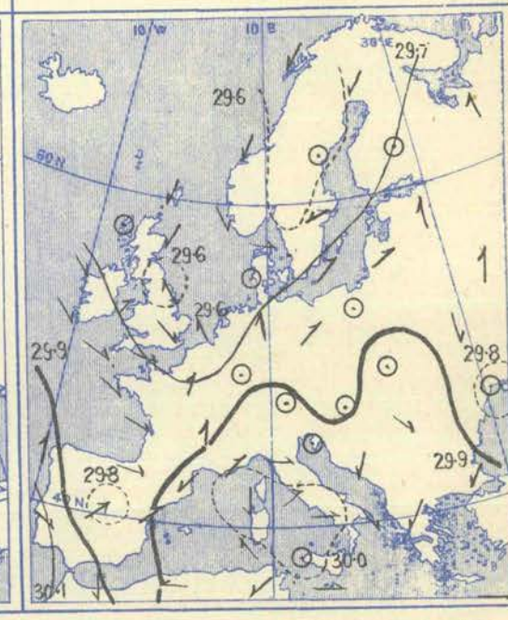
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very changeable and unsettled over the British Islands, the north of France, and the North Sea, with rain at several of the southern and south-eastern stations; dull over Germany, rainy at Hermanstadt. Clear and bright over the Mediterranean and Spain. Rain later almost all over the British Islands and France—heavy at Stornoway, at Lorient and in the South of France, continuous but not heavy in London—thunderstorms at Lyons.

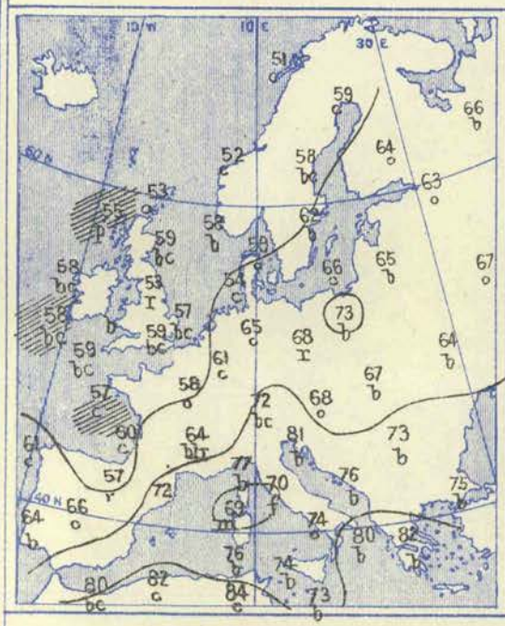
Temperature inclined to fall over our Islands. Morning readings highest, 82° at Palma, 81° at Barcelona, 80° at Trieste, 79° at Algiers and La Calle, 77° at Patras and Brindisi, 71° at Vienna; much above 60° over central Europe generally, 65° at Moscow, 67° at Stockholm, 66° at Archangel. Lowest, 50° at Bodö, 55° at Stornoway and Portland Bill, 56° at Sumburgh Head, Malin Head and Roches Point, 58° at Münster, not quite touching 70° at any of the British stations during the day, but rising to 80° at Paris, 82° at Munich, 87° at Belfast, and 94° at Lyons.

Wind very variable in the north of our Islands and in Norway. South-Westerly and variable in the south and over France, the Netherlands, north Germany, and the Baltic; very variable and light—mainly anticyclonic over the Mediterranean and south Europe; shifting somewhat suddenly to North-West and North at our western stations later—but not strong in force.

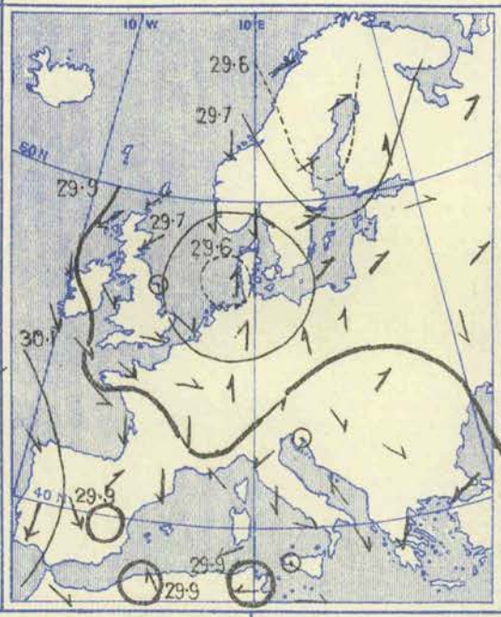
Barometer highest, 30·0 ins. and more to 29·9 ins. nearly all over the Mediterranean and the southern parts of Europe. Lowest, 29·5 ins. and less to 29·6 ins. over the most north-western districts; distribution not at all uniform; local depressions being shallow but numerous. Beginning to rise quickly later in the west and north-west, and the change spreading eastwards briskly.

Tuesday, 3rd July.

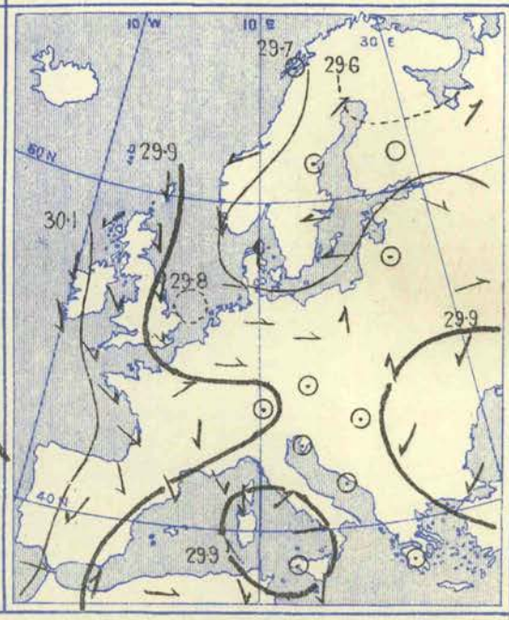
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over central and south-eastern Europe, also in the extreme north of Russia; less fine over the western and north-western countries, though fair for a time in most parts of England. Showers later in several parts of our Islands, thunderstorms and hail in London, considerable rain over Germany and the south of France.

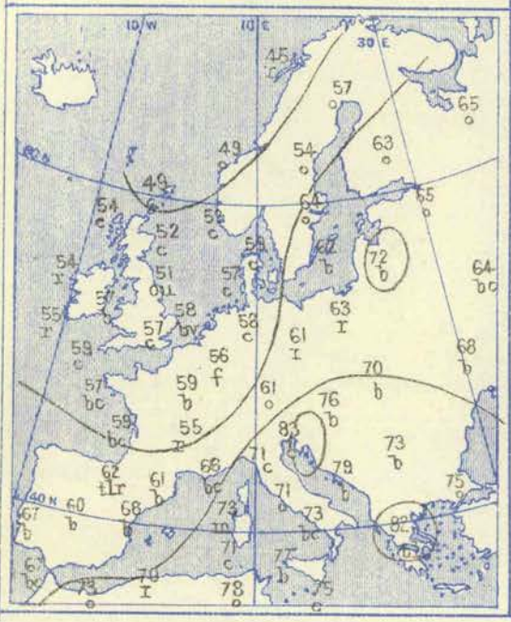
Temperature changing irregularly—fallen on our east coast and over France, risen in far south. Highest, between 80° and 84° on the north coast of Africa, Greece, and at Brindisi and Trieste, above 70° at many Mediterranean stations and over many parts of Germany, 66° at Archangel. Lowest, 51° at Bodö, 53° at Sumburgh Head and Shields, and below 60° in all parts of our Islands, rising later to between 66° and 68° in several parts of England, to 84° at Berlin, 81° at Munich and Nice, but to only 70° at Paris.

Wind (1) very light and variable over the Mediterranean, central and south-eastern Europe, mainly Northerly in the south of Russia; (2) brisk to strong over the north-western countries, cyclonic, Northerly to North-Westerly, over our Islands, Southerly to South-Westerly over the eastern shores of the North Sea, the Baltic and Sweden, inclined to become quieter over the British Islands later.

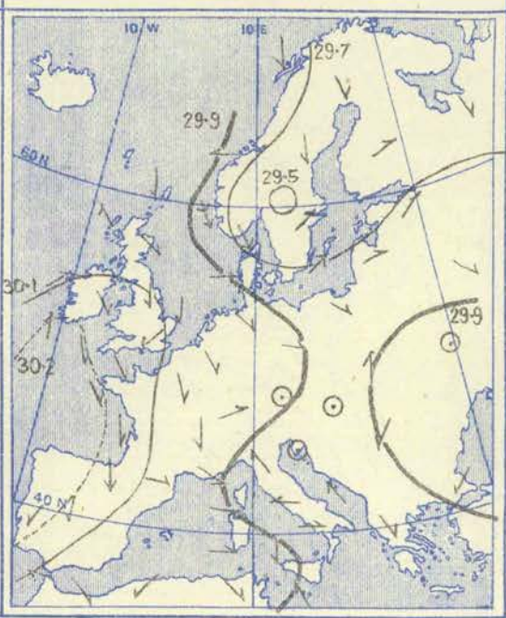
Barometer highest, 30·2 ins. and more in Portugal, and exceeding 29·9 ins. all over the south-west of Ireland, the west and south of France, the Mediterranean, south Germany and the Balkan Peninsula. Lowest, 29·6 ins. and less (1) in a depression having its centre over the eastern side of the North Sea; (2) in another over the North of Sweden. Rising decidedly in our Islands later, but thunderstorm disturbances being developed over the south-east of England.

Wednesday, 4th July.

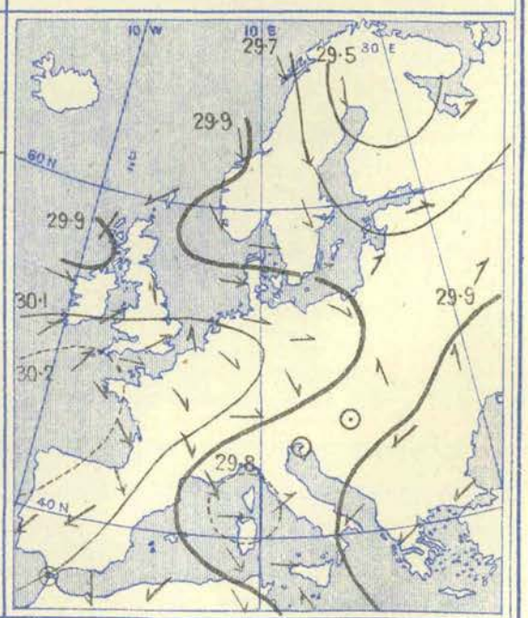
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright all over southern south-eastern and southern parts of central Europe, fair generally over Great Britain; rainy in Ireland, very changeable over northern Europe, with rain in places. Rain very general over our Islands later (excepting the south-eastern counties) and also over Germany; amounts considerable both at Munich and Parsonstown. Solar halos seen in many places; general condition in our Islands becoming very unsettled.

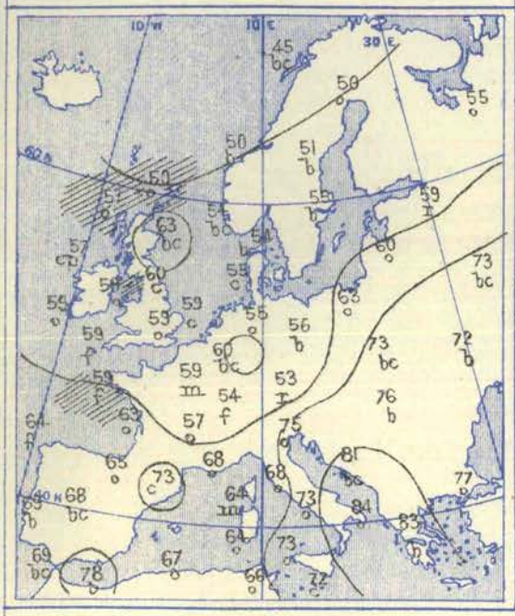
Temperature fallen in most places. Morning readings highest, 80° and more in Greece, 83° at Trieste, 79° at Lesina, 78° at La Calle, and above 70° at several of the Mediterranean stations, 73° at Cracow, above 60° all over central Europe, Russia, and Finland. Lowest, 45° at Bodö, 49° at Sumburgh Head, 51° at Shields, 52° at Aberdeen, and below 60° all over our Islands; rising later to between 60° and 66° all over the United Kingdom, to 70° at Berlin, 72° at Paris, 75° at Nice.

Wind (1) light and variable over the southern half of continental Europe, excepting on the north-eastern shores of the Mediterranean; (2) cyclonic and strong over Scandinavia and northern Europe (a gale at Karlstad); (3) Northerly, light over the eastern half of the British Isles and France; but (4) Southerly in Ireland and light. Becoming Southerly to Westerly later all over the United Kingdom, light to moderate in force.

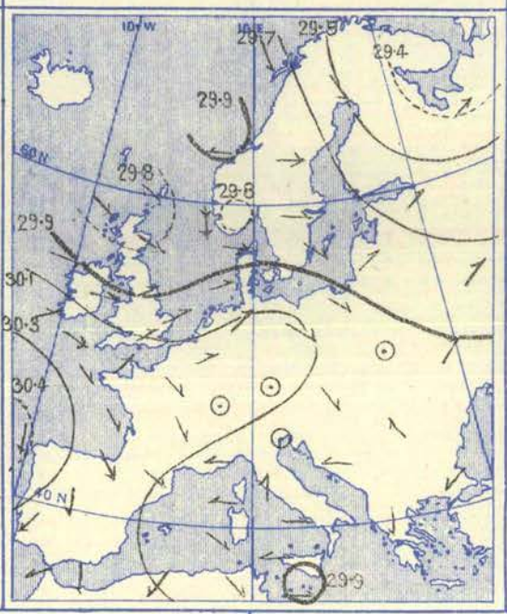
Barometer highest, 30·2 ins. and more over our extreme south-west coasts, the Bay of Biscay, and Portugal, and exceeding 30·0 ins. over our Islands and France generally. Lowest, (1) 29·5 ins. and less to 29·6 ins. over the southern half of Sweden; (2) 29·8 ins. and less in a depression near Nice; (3) below 30·0 ins. in a new disturbance approaching the west of Scotland. Latter depression spreading out and moving eastwards later, and finally becoming the dominant system of the British Islands.

Thursday, 5th July.

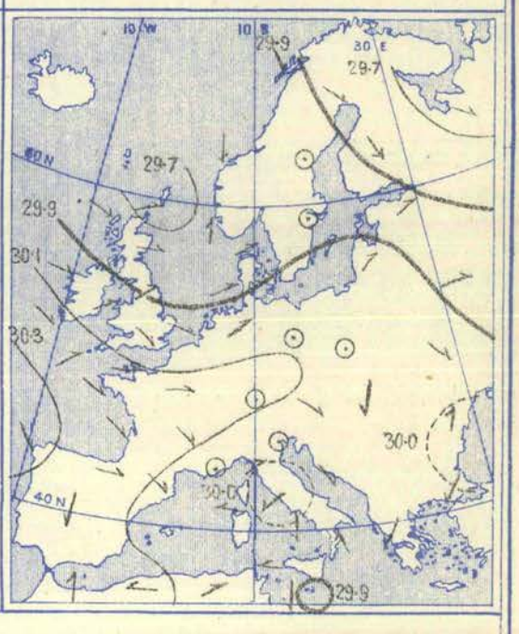
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over south-eastern Europe, at some of the central and northern stations in Europe, but very changeable over the northern and north-western countries as a whole. Rain general in the north and west of our Islands later, and considerable in the north of Scotland and at Liverpool; falls very isolated over the Continent. A solar halo seen at Oxford.

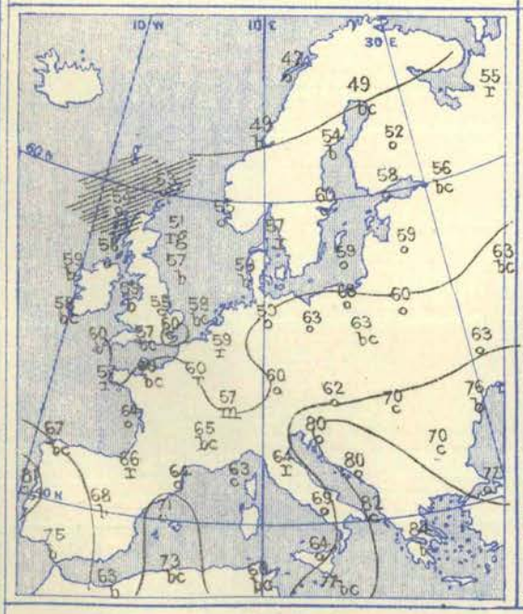
Temperature risen somewhat over the western, fallen over the eastern countries. Morning readings highest, 84° at Brindisi and above 80° on the eastern shores of the Adriatic generally, above 70° all over south-eastern Europe, and above 60° at some German stations. Lowest, 45° at Bodo, 50° at Christiansund and Sumburgh Head, about 55° over the eastern shores of the North Sea. Rising later to between 70° and 75° in many parts of Great Britain, and to 73° at Frankfort and Nice.

Wind (1) very light and variable over the southern half of the Continent, but anticyclonic in some places, cyclonic in others; (2) stronger and cyclonic over the British Islands and northern Europe—mainly Westerly over the United Kingdom and the North Sea, Westerly to Northerly over Scandinavia, South-Westerly in north of Russia, but Easterly in the Shetlands. Not much change later, but local variations over the south of England, due to small local disturbances.

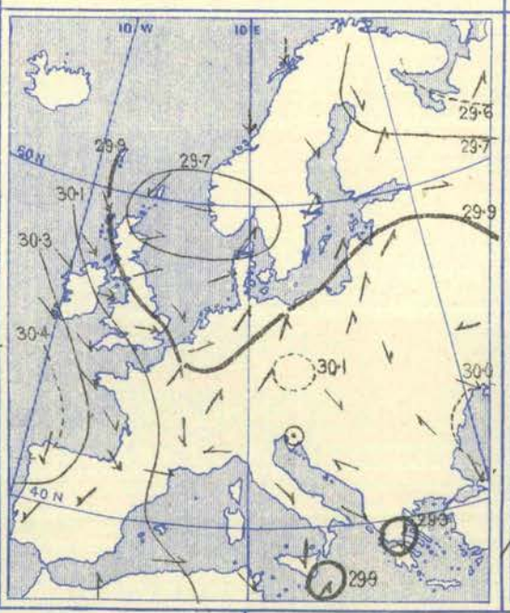
Barometer highest, 30·40 ins. at Corunna, and exceeding 30·1 ins. all over France, western Germany and the south and south-west of our Islands. Lowest, (1) 29·8 ins. and less over Scotland and in a small depression over the south of Norway; (2) 29·4 ins. and less to 29·5 ins. in a larger disturbance over the north of Russia. Scotch disturbance and its secondaries in the south moving slowly to the eastward during the day.

Friday, 6th July.

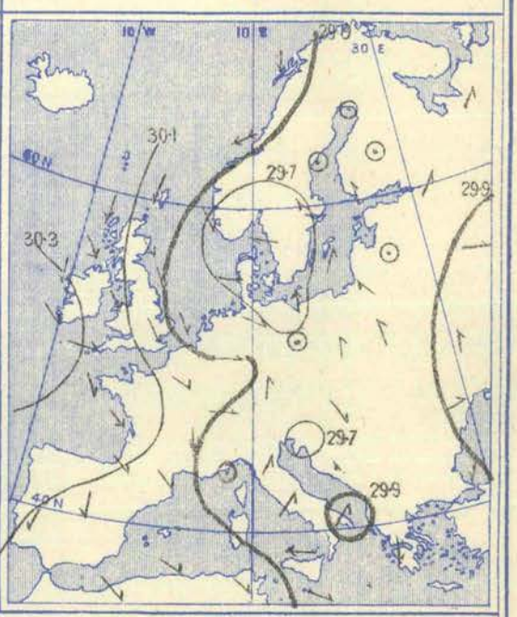
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine, bright, and quiet over the greater part of Spain, and over south-eastern Europe and central Russia; fine over our south-western and southern coasts; very changeable and unsettled elsewhere. Considerable rain later over Germany and the countries bordering on the North Sea: thunder at Yarmouth; slight showers over our north and north-west districts; a little rain at Biarritz.

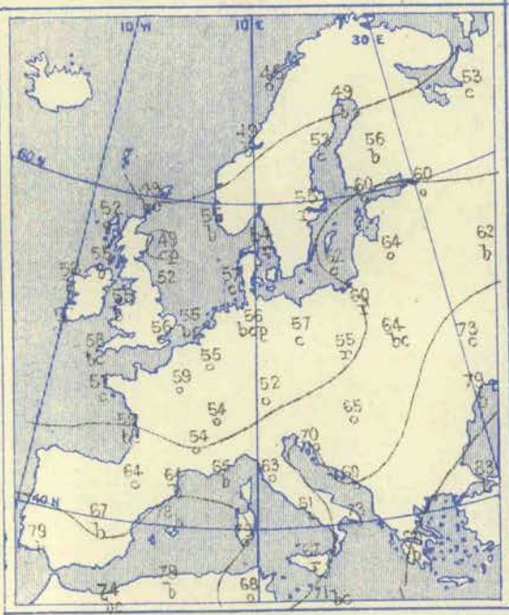
Temperature falling somewhat over the northern parts of Scandinavia, and still more over the northern and north-eastern parts of Great Britain; rising over central Europe and Sweden. Morning readings highest, 84° at Patras, 82° at Brindisi, 80° at Lesina and Trieste, 77° at Malta, 73° at Algiers, 71° at Barcelona; above 60° in most parts of Russia, central Europe, and France, as well as at a few stations in England. Lowest, 42° at Bodo, 49° at Christiansund, 51° at Aberdeen, 54° at Wick and Sumburgh Head. Not touching 60° in Scotland all day, and falling short of 70° over England; touching 70° at Berlin and Lorient, 73° at Paris and Nice, 79° at Perpignan. Cold over the British Islands at night.

Wind (1) light and variable over south-eastern Europe and the Mediterranean, North-Westerly to North-Easterly over Spain and Portugal; (2) North-Westerly, fresh to very strong, and gusty over the British Islands, South-Westerly to Southerly, moderate, over north Germany and the Baltic, Northerly in the north-west of Norway. Increasing a little in many parts of our Islands, and remaining gusty.

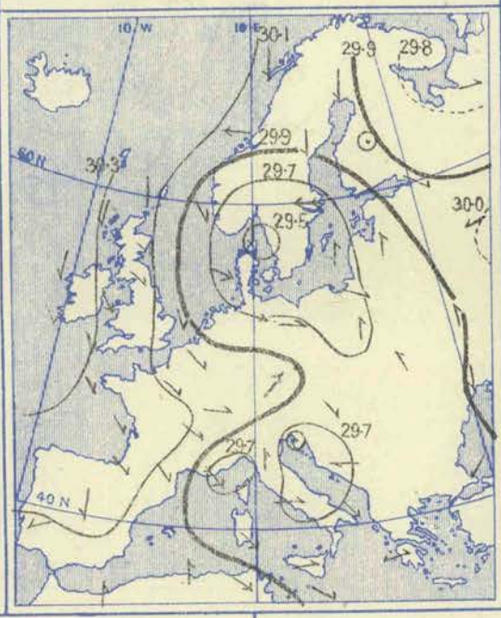
Barometer highest, 30·43 ins. at Corunna, and exceeding 30·1 ins. all over the south-western parts of the British Islands, the Bay of Biscay, the west of France, and the Spanish Peninsula as a whole. Lowest, 29·7 ins. in a shallow, oval-shaped depression between Scotland and the south of Scandinavia, and below 29·6 ins. in another over the extreme north of Europe; a small secondary over Belgium. Rising later all over our Islands and in Norway.

Saturday, 7th July.

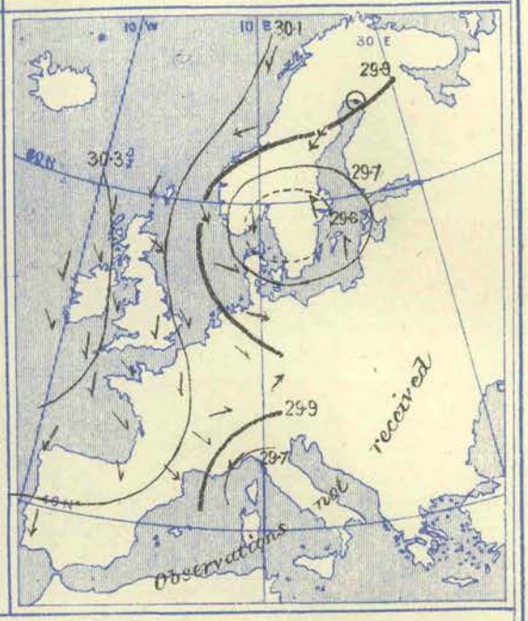
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning fine (1) over Spain, France, and the major part of the British Islands; (2) over central Russia, Finland, and the White Sea. Dull, rough, and unsettled (1) over Denmark, the Baltic, and north Germany; (2) over the northern part of the Mediterranean—much rain at the northern stations. Rain later in large quantities over Sweden; in smaller quantities in Germany and the south of France. Remaining fair over the British Islands and the north and west of France.

Temperature in morning fallen somewhat over western Europe and Italy. Morning readings highest, 80° in Greece, 79° at Lisbon and Algiers, 78° at Barcelona, 70° to 71° in the south of Russia, and above 60° over Hungary, Poland, and eastern Germany. Lowest, 45° at Bodö, 49° at Sumburgh Head and Aberdeen, 52° at Stornoway, 53° at Spurn Head. Not nearly reaching 70° later over our Islands, but rising to 70° at Madrid and Lorient, 77° at Nice, and 95° at Lisbon.

Wind Northerly to North-Westerly all over western Europe, and blowing very strongly over several parts of the North Sea, but with only moderate strength on our western coasts; Westerly in North Germany, and an Easterly gale at Stockholm. A separate cyclonic circulation over the northern and eastern parts of the Mediterranean and north of the Adriatic, and a North-West gale at Toulon. Moderating along our east coast later.

Barometer highest, 30·3 ins. and more in Ireland, and exceeding 30·2 ins. on all our western coasts and over the Bay of Biscay. Lowest, (1) 29·5 ins. and less in a depression over the Sound, Denmark, and the south of Sweden; (2) 29·7 ins. and less in another and complex depression over the Mediterranean and Adriatic. The northern depression moving eastwards slowly later, and barometer rising over the British Isles and western Europe.

GENERAL NOTES.

At the commencement of the week the barometer was highest (30·1 ins. and more to 29·9 ins.) over south-western and southern Europe and the south of Russia; lowest (29·4 ins. and less) over the north of Scotland and off the west of Norway. Temperature was highest over the southern and northern countries, and while variable airs and calms prevailed over the southern and eastern regions, there was a moderate current of wind from West over the British Islands, South-Westerly over Germany, Southerly over the Baltic, Sweden and Finland, and a strong Easterly breeze at Bodö.

In the course of the next day or two numerous shallow local disturbances passed from west to east over the north-western countries, bringing with them showers in most places, thunder at a few stations, but on Tuesday they were ceasing for a brief interval. Wednesday brought a renewal of the rain to Ireland, and a new disturbance and its secondaries caused it to become general, Friday found the disturbance lying between Scotland and Norway, Saturday found it over the Sound, the weather improving slowly as the centre passed away to the eastward of the North Sea. Temperature was low in the daytime for the time of year, except on Thursday, but the nights were but little cold. At the close of the week fine weather prevailed in our Islands generally, with Northerly breezes, but stronger Northerly winds were prevalent to the eastward of the North Sea.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 158.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	49·0	?	39	?	BRIGHTON	52·1	+ 1·1	46	0
STRATHPEFFER SPA	20·0	- 15·3	16	- 13	WORTHING	54·3	?	48	?
EDINBURGH	24·5	+ 1·7	29	+ 2	BOGNOR	47·6*	?	42*	?
MORPETH	42·4	?	36	?	WATERGATE (Emsworth)	42·9	?	38	?
NEWCASTLE-ON-TYNE	42·3	?	36	?	WESTBOURNE (Emsworth)	44·3*	- 2·5	39*	- 3
OSWALDKIRK (Yorkshire)	35·3	+ 0·5	30	0	VENTNOR HOSPITAL	53·8	?	48	?
YORK	35·8	- 1·9	31	0	SOUTHPORT	52·6	?	45	?
LOWESTOFT	44·4	?	39	?	RHYL	48·6*	?	42*	?
HOLLESLEY BAY	52·1	?	46	?	COLWYN BAY	48·6	?	42	?
SHEFFIELD	49·2	?	42	?	ABERDOVEY	62·8*	?	54*	?
WORKSOP	38·2	+ 3·4	33	+ 2	TENBY				
THURCASTON (Leicestershire)	39·3	+ 2·3	34	+ 2	NEWQUAY	49·3	- 2·0	44	- 1
MARGATE	38·3	- 2·5	34	- 3	TORQUAY	62·4	+12·5	56	+10
EASTBOURNE	47·1	- 2·5	42	- 3	GUERNSEY	58·3*	+ 4·2	52*	+ 4

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending May 19th, 1900	Thurcaston	—	—	—	—	—	—	—	—	—	—	—	42·9	+ 2·1	39	+ 1
,, ,, ,, 26th, ,,	Cranley	65	39	61·3	44·5	52·5	- 1·4	74	0	4	0·53	+ 0·13	—	—	—	—
,, ,, ,, ,, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	54·8	+ 5·0	49	+ 4
,, ,, June 2nd, ,,	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	52·2	+ 0·5	47	0
,, ,, ,, ,, ,,	Worthing	—	—	—	—	—	—	—	—	—	—	—	50·6	?	46	?

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 28.] *Third Series.* WEEK ENDING SATURDAY, JULY 14TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 164.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	77	38	63·1	51·1	56·7	2 above	103	+22	0	0	886	+ 66	639	+ 16
	1. SCOTLAND, EAST -	79	42	68·2	52·7	59·9	3 above	125	+27	0	0	993	- 32	697	+ 48
	2. ENGLAND, N.E. -	81	40	70·2	53·9	61·5	3 above	137	+29	0	0	1095	+ 46	518	- 31
	3. ENGLAND, EAST -	90	40	73·1	52·5	62·1	2 above	141	+21	0	0	1303	+ 31	530	- 87
	4. MIDLAND COUNTIES	89	39	75·4	52·5	63·1	4 above	148	+32	0	0	1276	- 31	567	- 52
	5. ENGLAND, SOUTH -	86	43	71·9	54·5	62·6	2 above	144	+18	0	0	1399	+ 9	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	74	42	64·9	52·0	58·0	1 above	112	+12	0	0	1127	+ 35	506	+ 44
	7. ENGLAND, N.W. -	83	38	69·4	54·0	61·2	3 above	134	+24	0	0	1173	+ 11	452	- 7
	8. ENGLAND, S.W. -	86	36	70·7	52·2	60·8	1 above	132	+17	0	0	1331	- 5	336	- 25
	9. IRELAND, NORTH -	78	41	65·9	52·8	58·9	2 above	118	+16	0	0	1165*	- 23	416*	+ 21
	10. IRELAND, SOUTH -	74	43	67·1	52·7	59·4	1 above	122	+11	0	0	1362	- 12	373	+ 74
	—CHANNEL ISLANDS-	83	49	69·6	57·8	63·3	3 above	149	+24	0	0	1672	+169	97	- 51

Rainfall. / Bright Sunshine.

	DISTRICTS. (See p. 164.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	6	11	3 more	136	+11	24·2	+ 0·6	22	-11	18	- 9	663	- 13	27	0
	1. SCOTLAND, EAST -	5	12	5 more	113	+12	16·5	+ 1·7	37	+ 1	31	0	692	- 80	28	- 3
	2. ENGLAND, N.E. - -	2	2	4 less	100	+ 5	13·9	+ 1·8	46	+13	39	+12	681	- 87	27	- 3
	3. ENGLAND, EAST -	1	less than ½	6 less	103	+11	13·4	+ 1·7	73	+26	64	+23	920	- 7	35	0
	4. MIDLAND COUNTIES	2	3	3 less	97	+ 6	15·1	+ 1·6	60	+21	52	+18	757	- 6	32	0
	5. ENGLAND, SOUTH -	1	less than ½	5 less	91	+ 4	14·8	+ 1·5	73	+30	65	+27	924	- 3	37	0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	5	5	3 less	118	+11	25·5	+ 0·8	26	-15	22	-13	807	- 6	32	0
	7. ENGLAND, N.W. -	3	2	4 less	102	+ 5	16·5	+ 1·2	49	+ 4	43	+ 3	864	+ 41	34	+ 2
	8. ENGLAND, S.W. - -	2	4	3 less	107	+ 9	22·8	+ 1·1	75	+28	67	+25	961	- 12	39	0
	9. IRELAND, NORTH	3	4	3 less	127	+13	18·5	+ 2·0	38	+ 3	33	+ 3	807	+ 36	32	+ 1
	10. IRELAND, SOUTH -	2	4	3 less	115	+10	20·9	+ 1·8	43	+ 7	38	+ 6	838	- 29	34	- 1
	— CHANNEL ISLANDS-	3	2	3 less	116*	+11	18·5	+ 3·4	83	+34	75	+30	1056	+ 13	45	+ 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather dull and unsettled in the west and north of our Islands, with rather heavy falls of rain at times in some parts of Scotland. Fair and cool elsewhere at first but subsequently setting in exceedingly bright and hot. Thunderstorms occurred in many parts of England towards the close of the period—mostly over the northern districts.

Temperature was 4° above the average over the Midland Counties, but only 1° in Ireland S., England S.W., and Scotland W. The highest of the maxima occurred on the 10th over Ireland, and on the 11th or 12th over England and Scotland; they ranged from 90° in England East, 89° in the Midland Counties, 86° in England S. and S.W., and 83° in England N.W., to 74° in Scotland W. and in Ireland S. The lowest of the minima were registered at the beginning of the week, and varied from 36° in England S.W. to 38° in Scotland N. and England N.W. and 39° in the Midland Counties.

Rainfall was above the average over the northern and eastern parts of Scotland, but below it in all other localities. The deficit was rather large in England E.

Bright Sunshine although in defect over Scotland was largely in excess of anything recorded for many weeks past elsewhere, and in nearly all parts of our Islands it was considerably above the mean. The percentage of the possible duration ranged from 75 in the Channel Islands, 67 in England S.W. 65 in England S., and 64 in England E., to 18 in Scotland N., and 24 in Scotland West.

Barometer and Wind. At the commencement of the week an anticyclone lay over Ireland and our south-west coasts, whence it moved south-eastwards to France, then easterly to Germany, and finally spread to the northern parts of Scandinavia. During the progress of this high-pressure system over the Continent a series of depressions passed along our north-western and western coasts in a north-easterly and northerly direction, and secondaries appeared to the southward, so that the weather for the most part in those regions kept in a disturbed condition generally. The prevailing winds over the more western half of the United Kingdom were therefore chiefly from the South-West (South to West) and at times blew freshly in places, but elsewhere they varied a good deal in direction, sometimes Easterly to South-Easterly, and were of little strength.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 163 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°			°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	65	42	58·1	48·6	53·0	+ 0·5	77	0	6	0·65	+ 0·13	*	*	*	*
	Stornoway	64	48	61·3	50·9	55·7	+ 1.7	96	0	6	0·97	+ 0·29	26·4	−10·6	22	− 8
	Wick	70	38	63·7	50·0	56·4	+ 1·5	101	0	6	2·00	+ 1·45	*	*	*	*
	Lairg Ⓢ	77	43	66·8	51·5	58·6	+ 4·2	116	0	6	1·12	+ 0·47	*	*	*	*
	Glencarron Ⓢ	69	45	62·1	52·1	56·8	+ 2·0	104	0	6	1·16	− 0·13	*	*	*	*
	Fort Augustus Ⓢ	73	46	66·2	53·0	59·1	+ 2·6	120	0	5	1·02	+ 0·32	17·2	− 7·2	14	− 6
	Fort William Ⓢ	73	44	63·4	51·8	57·2	+ 0·7	106	0	6	1·00	− 0·13	17·6	−15·0	15	−13
1. SCOTLAND, E.	Nairn	76	45	68·0	52·4	59·7	+ 2·7	124	0	6	1·38	+ 0·83	*	*	*	*
	Aberdeen	73	42	66·3	52·6	59·0	+ 2.3	119	0	5	1·17	+ 0·60	43·7	+ 4·4	36	+ 3
	Braemar Ⓢ	74	42	65·6	50·6	57·6	+ 3·1	109	0	5	0·69	+ 0·01	25·7†	− 9·5†	21†	— 9†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	79	47	71·4	54·3	62·3	+ 3·9	142	0	4	0·38	− 0·18	*	*	*	*
	Marchmont Ⓢ	78	48	69·9	53·4	61·1	+ 4·6	134	0	3	2·12	+ 1·41	48·0	+ 9·3	41	+ 8
2. ENGLAND, N.E.	Alnwick Castle	75	42	70·3	51·6	60·3	+ 3·4	128	0	1	0·29	− 0·26	*	*	*	*
	Durham	81	40	72·0	54·0	62·4	+ 3·9	143	0	3	0·13	− 0·47	46·5	+10·1	40	+ 9
	Shields	77	42	69.1	53·9	61·0	+ 3·5	133	0	4	0·29	− 0·26	*	*	*	*
	Scarborough Ⓜ	79	47	71·8	54·6	62·6	+ 3·9	144	0	2	0·04	− 0·55	*	*	*	*
	Spurn Head	74	48	67·9	55·3	61·2	+ 1·7	134	0	1	0·01	− 0·37	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	86	46	76·6	52·4	63·7	+ 3·5	152	0	1	0·02	− 0·62	68·3	+26·1	60	+23
	Yarmouth	72	48	66·7	53·6	59·7	0·0	124	0	2	0·04	− 0·54	*	*	*	*
	Geldeston	80	42	72·3	51·9	61·4	+ 1·6	136	0	2	0·03	− 0·52	72·2	+26·4	64	+23
	Cambridge	90	43	79·3	52·0	64·7	+ 3·5	159	0	0	—	− 0·57	74·3	+31·3	66	+28
	Felixstowe	71	44	68·6	54·4	61·0	+ 1·1	133	0	0	—	?	78·2	?	69	?
	Rothamsted	83	40	75·3	50·7	62·1	+ 2·0	141	0	1	0·01	− 0·59	65·3	+20.0	58	+19
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	89	40	78·1	52·0	64·2	+ 4·4	155	0	1	0·36	− 0·24	*	*	*	*
	Loughborough	87	45	77·4	53·6	64·7	+ 3·6	159	0	2	0·03	− 0·49	*	*	*	*
	Cheadle Ⓜ	82	47	72·1	53·1	61·9	+ 4·5	139	0	1	0·52	− 0·20	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	84	47	74·6	54·0	63·6	+ 4·2	151	0	1	0·32	− 0·34	53·5	?	47	?
	Churchstoke Ⓜ	83	42	73·8	50·0	61·1	+ 3·4	134	0	3	0·44	− 0·10	59·3	+19·8	52	+17
	Hereford (Belmont) Ⓜ	84	39	75·2	50·6	62·0	+ 1·8	140	0	1	0·85	+ 0·35	*	*	*	*
	Cirencester	83	41	75·6	51·3	62·6	+ 3·7	144	0	2	0·03	− 0·63	59·4	+17·7	53	+16
	Oxford	84	45	76·0	55·0	64·8	+ 4·1	160	0	2	0·07	− 0·52	62·1	+20·1	55	+18
5. ENGLAND, S.	London	86	44	77·6	54·3	65·1	+ 2·9	162	0	0	—	− 0·53	70·1†	+31·3†	62†	+28†
	Swarraton (Alresford) Ⓜ	81	43	73·7	52·3	62·3	+ 1·5	142	0	1	0·06	?	*	*	*	*
	Dungeness	75	45	68·4	54·6	61·0	+ 0·3	133	0	0	—	− 0·43	63·1	?	56	?
	Hastings (St. Leonards)	80	46	71·0	55·5	62·7	+ 2·4	145	0	0	—	− 0·48	84·0	+34·0	75	+31
	Southampton	81	45	75·3	56·3	65·1	+ 3·6	162	0	1	0·03	− 0·52	74·4	+27·9	66	+25
	Portland Bill	68	49	65·0	54·4	59·3	+ 1·0	121	0	1	0·06	?	*	*	*	*
	Shaftesbury Ⓜ	77	44	72·2	53·8	62·4	+ 4·1	143	0	1	0·06	− 0·62	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	72	45	64·2	51·7	57·5	+ 0·3	109	0	7	0·96	− 0·24	*	*	*	*
	Glasgow	74	46	64·5	54·1	58·9	+ 1·7	118	0	5	0·51	− 0·19	21·3	−13·7	18	−10
	Glenlee Ⓢ	69	42	66·2	50·4	57·8	+ 1·1	111	0	4	0·31	− 0·54	*	*	*	*
	Douglas (Isle of Man)	66	47	64·6	51·8	57·8	+ 1·2	111	0	2	0·26	− 0·33	30·1	−16·9	26	−15
7. ENGLAND, N.W.	Newton Reigny	79	38	71·0	49·9	59·7	+ 2·2	124	0	3	0·06	?	53·0	?	45	?
	Stonyhurst	81	45	70·5	54·6	62·0	+ 4·1	140	0	3	0·27	− 0·55	47·4	+ 7·2	41	+ 6
	Blackpool Ⓜ	75	44	68·9	54·4	61·2	+ 1·8	134	0	1	0·12	− 0·48	39·7	− 1·9	34	− 2
	Manchester (Prestwich)	83	45	72·9	53·6	62·6	+ 4·3	144	0	2	0·27	− 0·51	47·4	?	41	?
	Liverpool Obsy. (Bidston)	80	52	69·9	55·7	62·3	+ 2·6	142	0	3	0·12	− 0·46	46·1	?	40	?
	Llandudno Ⓜ	78	53	68·8	56·2	62·1	+ 2·6	141	0	5	0·35	− 0·18	48·5	+ 7·0	43	+ 7
	Holyhead	69	50	64·1	53·7	58·5	− 0·2	116	0	3	0·19	− 0·31	*	*	*	*
8. ENGLAND, S.W.	Llandovery	86	36	74·7	50·9	62·0	+ 3·4	140	0	2	0·58	− 0·27	*	*	*	*
	Pembroke	68	50	62·7	55·0	58·6	+ 0·3	116	0	1	0·10	− 0·40	57·9	+ 8·1	51	+ 9
	Clifton	84	47	74·9	56·4	65·0	+ 4·8	161	0	2	0·19	− 0·41	*	*	*	*
	Arlington (N. Devon)	79	45	71·3	50·7	60·3	+ 2·1	128	0	3	0·93	− 0·04	*	*	*	*
	Cullompton Ⓜ	81	41	74·8	48·8	60·9	+ 0·5	132	0	1	0·12	− 0·60	73·3	+31·4	65	+28
	Falmouth	69	50	66·8	53·7	59·8	+ 0·1	125	0	3	0·30	− 0·40	59·6	+39·5	81	+37
	Plymouth	77	48	69·8	50·0	59·2	− 1·8	120	0	3	0·40	− 0·17	82·7	+37·7	74	+33
9. IRELAND, N.	Malin Head	73	53	64·6	55·0	59·5	+ 2·8	123	0	2	0·09	?	*	*	*	*
	Londonderry	78	46	69·0	53·9	60·9	+ 2·8	132	0	3	0·84	+ 0·17	*	*	*	*
	Edenfel (Omagh)	70	42	65·7	52·3	58·5	+ 1·9	116	0	4	0·55	− 0·14	*	*	*	*
	Blacksod Point	71	50	63·1	53·4	57·9	+ 0·2	111	0	3	0·22	?	*	*	*	*
	Markree Castle	74	41	66·2	50·0	57·5	+ 1·1	109	0	4	0·19	− 0·61	46·2	+13·7	40	+12
	Armagh	73	42	68·1	53·1	60·1	+ 2·7	127	0	4	0·29	− 0·41	29·6	− 5·9	26	− 5
	Donaghadee	70	45	64·7	51·9	57·9	+ 0·5	111	0	4	0·45	− 0·10	*	*	*	*
10. IRELAND, S.	Dublin	74	47	69·6	55·6	62·1	+ 2·4	141	0	2	0·35	− 0·15	38·9	+ 0·4	34	+ 1
	Parsonstown	74	43	68·1	52·4	59·7	+ 1·5	124	0	2	0·20	− 0·36	49·4	+16·9	43	+14
	Kilkenny	71	44	67·1	53·3	59·7	+ 1·1	124	0	2	0·33	− 0·25	*	*	*	*
	Roche's Point	66	52	63·6	55·3	59·2	− 0·3	120	0	2	0·35	− 0·34	*	*	*	*
	Valencia	68	47	65·1	52·4	58·3	− 0·2	114	0	3	0·69	− 0·28	41·6	+ 3·8	37	+ 4
	Killarney	73	43	67·3	48·3	57·1	− 0·9	106	0	2	0·33	?	*	*	*	*
	Foynes	73	49	68·9	51·8	59·8	+ 2·3	125	0	2	0·26	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	68	55	66·1	57·4	61·5	+ 1·8	137	0	3	0·22	− 0·28	73·9	?	67	?
	Jersey	83	49	73·1	58·1	65·1	+ 3·4	162	0	2	0·10	− 0·38	82·6	+30·2	75	+27

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

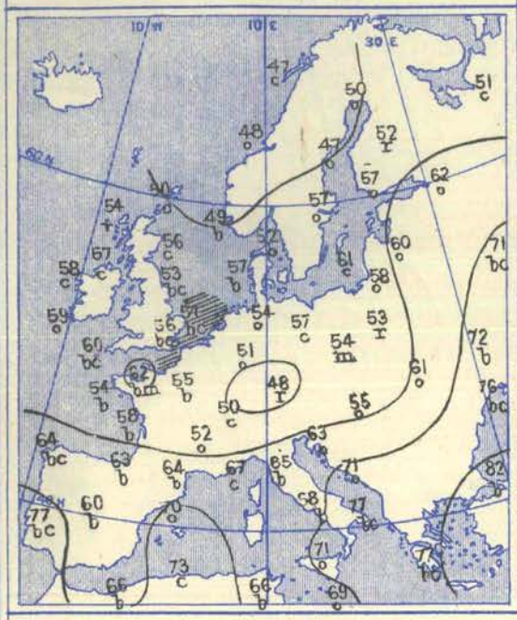
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 8th July.

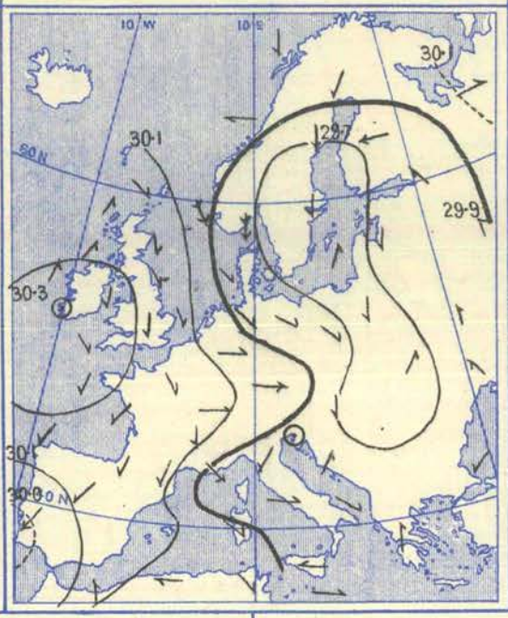
Temperature and Weather.

8 a.m.

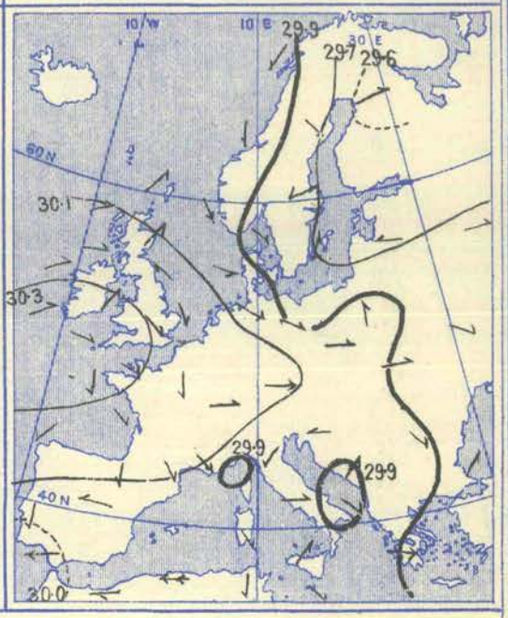


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning (1) fine over western Europe as a whole, but dull at Valencia, Ireland, unsettled looking at Blacksod Point, and rainy at Stornoway, fine also over the Mediterranean; (2) dull and unsettled over the countries lying to the eastward of the North Sea, rainy over Poland and Hungary, and at Kuopio, fine over central Russia. Rain falling later over Germany, the Baltic, and Sweden, as well as in Scotland. Very slight sporadic showers in a few parts of the British Islands and France.

Temperature low for time of year over western Europe. Morning readings highest 77° in Greece, at Brindisi, and Oran, and above 70° at several of the Mediterranean stations; (2) 71° at Moscow, 72° at Kiev; (3) 63° to 64° over the north of Spain, but below 60° over France as a whole and the British Islands. Lowest (1) 48° at Munich; (2) 47° at Bodö and Hernosand, 48° at Christiansund, 49° at Karlstadt, 50° at Sumburgh Head, 53° at Shields. Rising later to 65° and more in many parts of our Islands, to 67° at Paris, 75° at Nice, 77° at Hermanstadt, 80° at Brindisi, 91° at Lisbon.

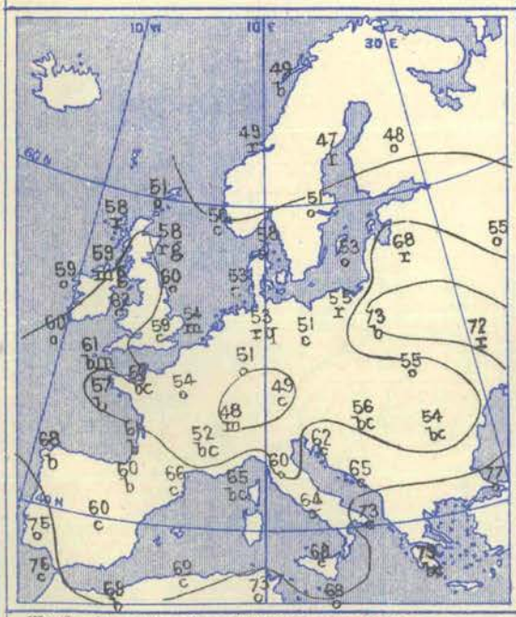
Wind (1) light and anticyclonic over the Bay of Biscay, our Islands, and France; stronger and cyclonic over the eastern and northern countries, and over southern Europe. Northerly strong on the eastern shores of the North Sea, Westerly over central Europe, but variable (mainly North-Westerly) over the Mediterranean, Southerly at Patras.

Barometer highest (1), 30·3 ins. and more to 30·2 ins. over our Islands, the Bay of Biscay, and western half of France; (2) 30·0 ins. and more over the north of Russia. Lowest (1), 29·7 ins. and less over the southern half of Sweden, Poland and Hungary; 29·7 ins. to 29·9 ins. over the shores of the Adriatic, Italy, and the eastern shores of the Mediterranean. Falling slightly in the west and north of our Islands later, and in some parts of France.

Monday, 9th July.

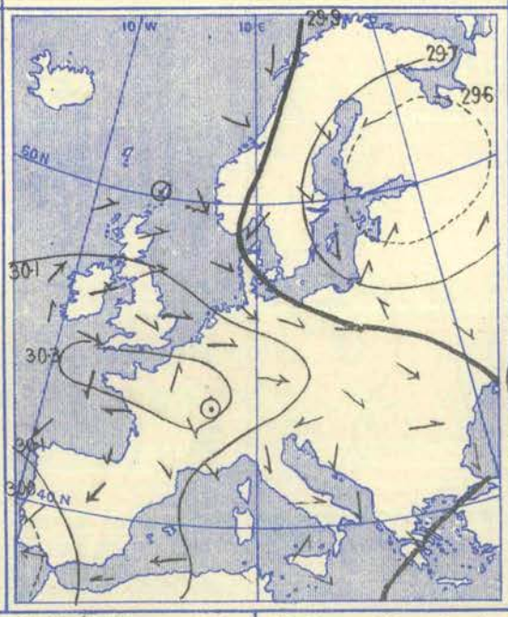
Temperature and Weather.

8 a.m.

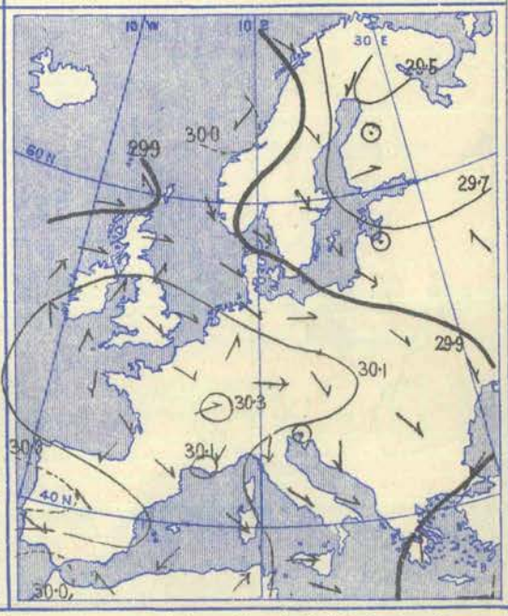


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern and western Continental Europe and the extreme south-west of our Islands; dull at the British and Irish stations generally, rainy in Scotland and at several of the stations lying to the eastward of the North Sea, as well as over central Europe, and at Kiev. Rain later in Scotland and the north-east of England, also in Germany, the Netherlands, and at Yarmouth. Sky overcast in London till night.

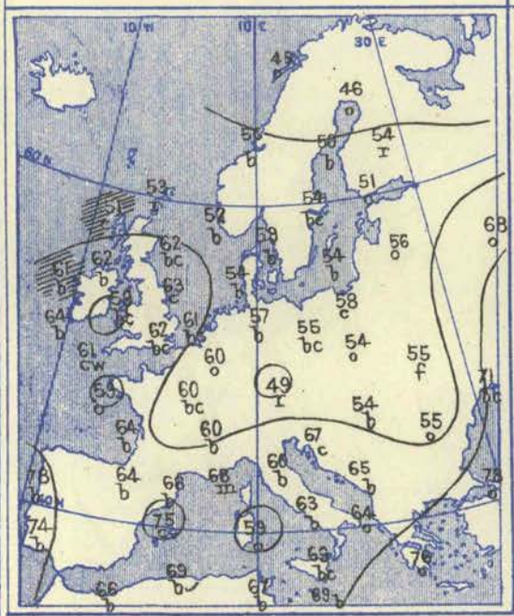
Temperature rising over the British Islands, falling over the north of Africa, southern and central Europe. Morning readings highest (1), 78° in Greece, 73° at Brindisi; below 70° over the Mediterranean as a whole, and in the south-west and south of France; (2) 77° at Kharkov, 73° at Warsaw. Lowest, 47° to 49° over northern Europe, 51° at Sumburgh Head, 50° at Skudesnaes. Rising over our Islands later. Touching 68° at Loughborough, 70° at Donaghadee and in London, 72° at Parsonstown, 70° at Brest, 71° at Paris, 84° at Rochefort, but not exceeding 64° at Berlin.

Wind (1) very light and anticyclonic over France and the southern half of England, and Southerly to South-Westerly moderate in the west; (2) light Northerly in Norway, fresh Westerly over the Baltic, moderate North-Westerly to Westerly over north Germany, South-Westerly at Riga. Very variable and moderate over the Mediterranean; North-Easterly to Easterly over the Iberian Peninsula. The South-Westerly and Westerly winds in the west and north-west not spreading much later; the North-Westerly winds to the eastward of the North Sea dying down.

Barometer highest, 30·3 ins. to 30·1 ins. in an anticyclone covering Ireland, England, France, the Bay of Biscay, and greater part of Spain. Lowest, 29·6 ins. and less to 29·7 ins. over Finland, the Baltic Province, eastern Germany, and the northern half of Russia. Falling later at all our western and north-western stations, and in the west of France, changing somewhat irregularly elsewhere, rising at Christiansund near to which station another high-pressure area seemed to be forming.

Tuesday, 10th July.

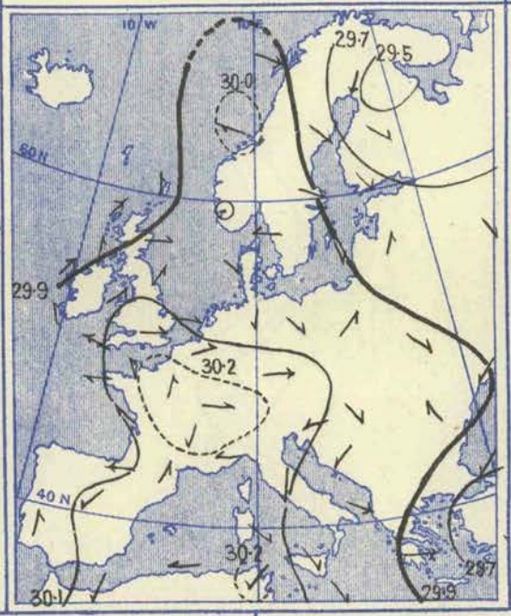
Temperature and Weather. 8 a.m.

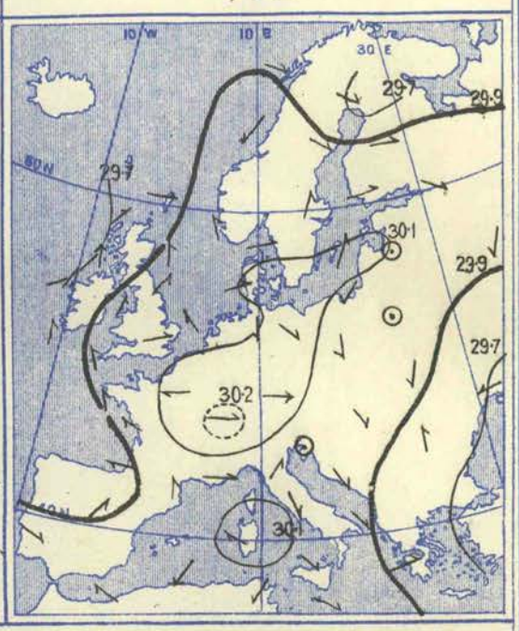


Weather in morning dull and rainy in the north of Scotland, but fine and bright over the rest of the United Kingdom, France, the North Sea, and Scandinavia; changeable over northern and central Europe, with rain in places. Some rain later at a few of our most northern stations, and in Norway, but sky becoming cloudless in London. No rain either in Ireland or England, but a little over south Germany.

Temperature rising over our Islands and France generally. Morning readings highest, 70° and more in Greece, 75° at Barcelona, but below 70° over the Mediterranean generally; above 60° almost all over the United Kingdom, rising quickly later to between 80° and 83° over the inland parts of England to 97° at Rochefort, but not exceeding 79° at Paris, and 70° at Berlin.

Barometer and Wind. 8 a.m. and 6 p.m.



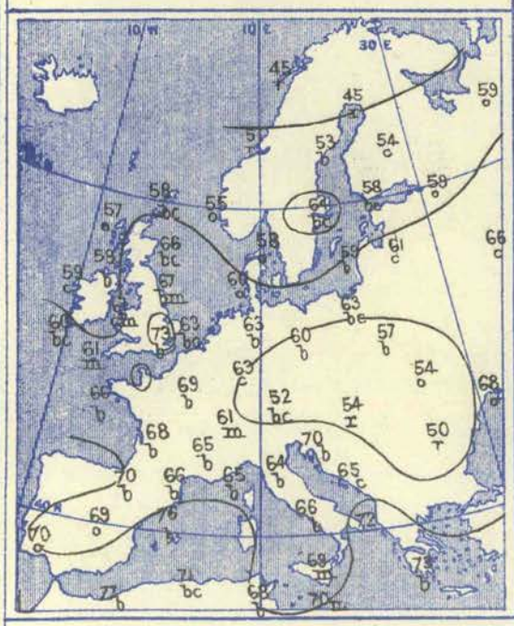


Wind (1) light and anticyclonic over the Mediterranean, France, and the greater part of England; (2) cyclonic Northerly and North-Westerly over the countries lying to the eastward of the North Sea, South-Westerly over the Baltic Provinces; (3) Southerly to South-Westerly slight to fresh on our western coasts and in Scotland. Very little change later, except over northern and central Europe, where all the winds fell light.

Barometer highest, 30·2 ins. and more to 30·0 ins. over France, Spain, England, and south Germany, 30·03 at Christiansund; lowest (1) 29·5 ins. at the northern extremity of the Gulf of Bothnia; (2) 29·8 ins. off the north-west of Scotland, falling a little later over our Islands, and considerably over France; French anticyclone undergoing considerable modification, and moving eastward to Germany.

Wednesday, 11th July.

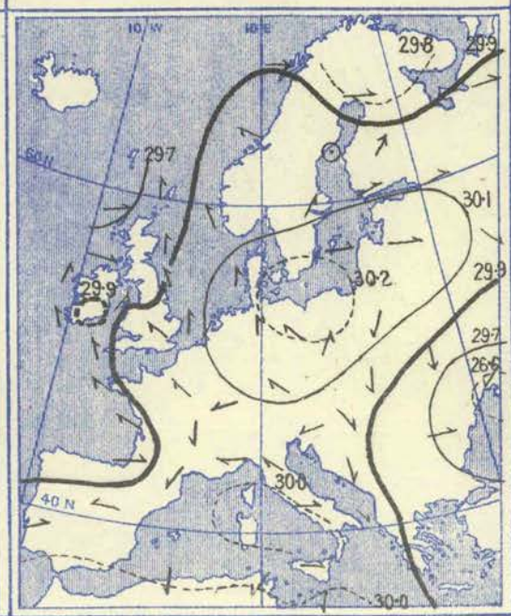
Temperature and Weather. 8 a.m.

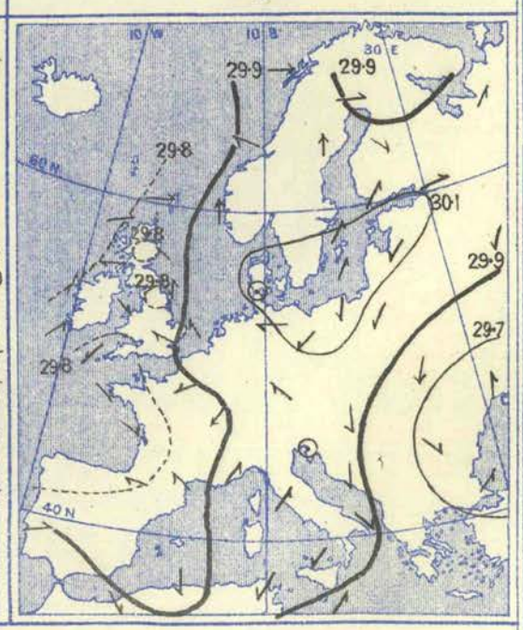


Weather in morning fine and bright over central, western and southern Europe, as well as over England and Ireland, rather more cloudy in Scotland, rainy in the north-west of Norway and over Lapland, dull and rainy over the south of Russia and the northern parts of the Balkan Peninsula. Improving later over south-eastern Europe, but not so settled in Ireland and Scotland, remaining fine over England, France, Germany and the North Sea.

Temperature rising over western Europe, fallen in the east, as well as over Ireland. Morning readings highest, (1) 73° and more over Greece, 71° to 77° over Algeria, 76° at Barcelona, 70° at Biarritz; (2) 73° to 70° over central England, 71° at Jersey. Lowest, (1) 45° at Bodö and Harparanda, 51° at Christiansund, 59° on the north-west coast of Ireland; (2) 50° to 54° over the southern parts of central Europe. Rising later. Rising fast later to 102° at Rochefort, 90° at Lorient, 84° at Paris; 87° to 80° over central England, 75° to 70° in the north-east of Scotland, and 72° at Stockholm, but not touching 70° in Ireland.

Barometer and Wind. 8 a.m. and 6 p.m.





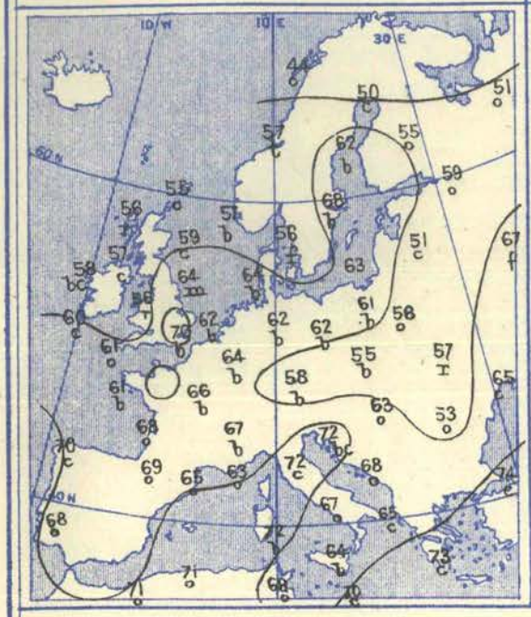
Wind (1) light and anticyclonic over the Baltic, Germany and France; (2) South-Westerly and Southerly over our Islands (but Northerly at Roches Point), South-Westerly over northern Europe; (3) North-Westerly over Italy. Drawing into the South-East and East over the south of England at night, becoming variable in the north.

Barometer highest, 30·2 ins. and more to 30·1 ins. over central Europe. Lowest, (1) 29·5 ins. and less to 29·7 ins. over the south of Russia; (2) 29·8 ins. and less to 29·9 ins. over Lapland and the White Sea; (3) 29.7 ins. and less off the North of Scotland. Local irregularities over our western districts. Falling later over the Bay of Biscay and France.

Thursday, 12th July.

Temperature and Weather.

8 a.m.

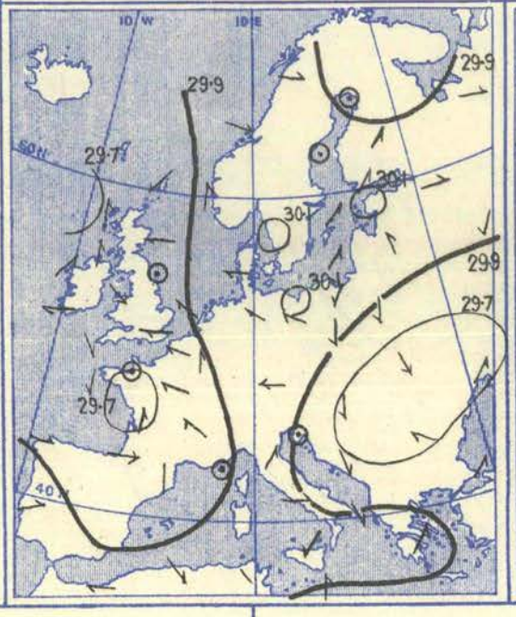


Weather in morning fine generally over Sweden, the Baltic, north Germany, and the greater parts of France and England; dull and rainy (1) over Hungary and the south-west of Russia, and (2) over the northern parts of our Islands; thunder at Christiansund, thunder and lightning later over many parts of Scotland and the north of England, and considerable rain in the north and east of Scotland.

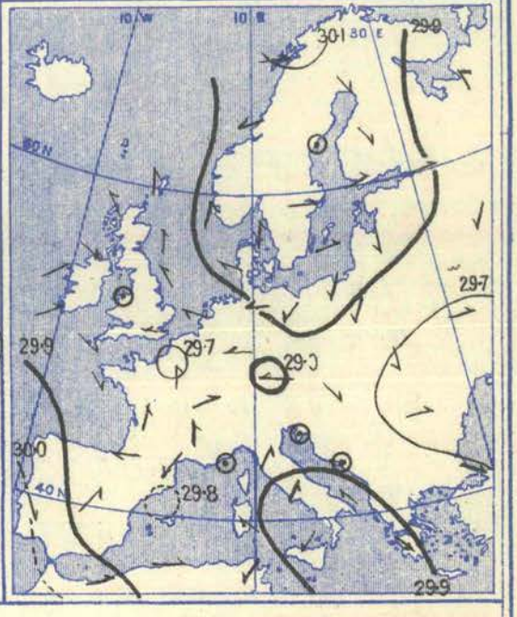
Temperature changing fitfully, fallen decidedly in Scotland. Morning readings highest, 70° and more at several of the stations over the Baltic and south-eastern Europe, and locally over the central parts of England. Lowest, below 60° in the north-west and north of our Islands and central Europe, 44° at Bodö, 50° to 51° in other parts of northern Europe; distribution very irregular. Rising later to between 85° and 80° over the inland parts of England to 81° at Frankfort, to 86° at Paris not nearly so high over southern Europe.

Barometer and Wind.

8 a.m.



6 p.m.



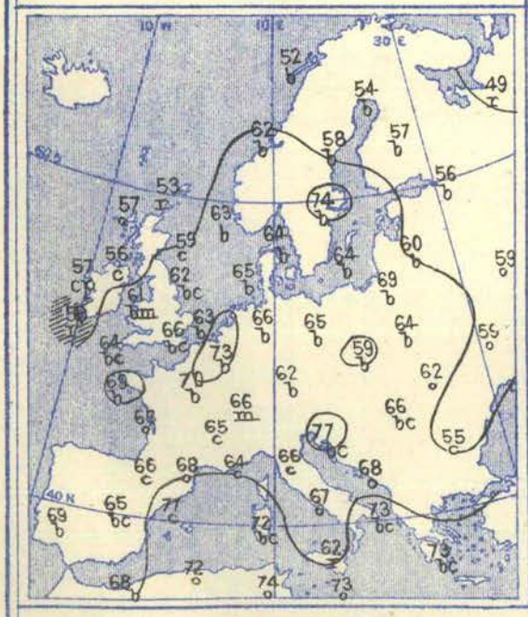
Wind extremely variable both in force and direction; very light and variable (1) over Scandinavia and the Baltic, (2) over the Mediterranean. Cyclonic but not strong (1) over France, England, and Scotland, (2) over Austria-Hungary, the Balkan Peninsula, the Adriatic and Black Sea.

Barometer highest, 30·1 ins. and more to 30·0 ins. in a complex anticyclone (having 3 maxima) and covering the whole of Scandinavia and the Baltic, and exceeding 29·9 ins. over south Germany, the Mediterranean, and south of Scandinavia. Lowest, 29·7 ins. and less (1) in an elongated depression over Hungary and the south of Russia, (2) in a well-formed local disturbance over the north-west of France, and (3) in a new disturbance approaching Scotland from the westward. Both the latter systems moving slowly to the eastward later and thunderstorms occurring over the northern half of Great Britain.

Friday, 13th July.

Temperature and Weather.

8 a.m.

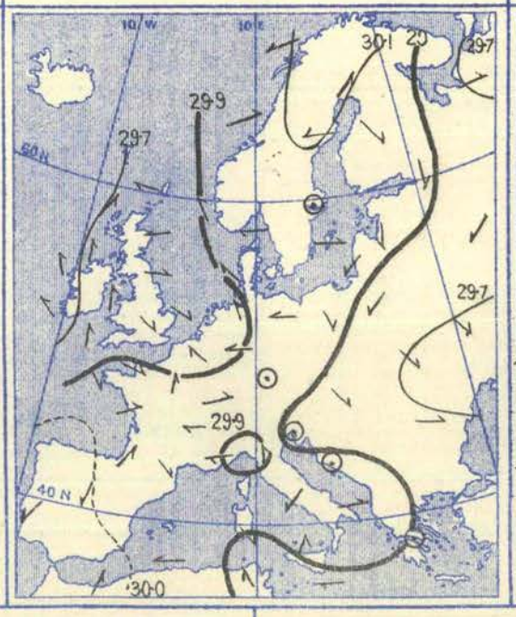


Weather in morning fine and bright in nearly all parts of our area, but cloudy, or dull and rainy at many of our own northern and western stations, as well as in some parts of Hungary. Cloud increasing over the United Kingdom later, and rain becoming more general.

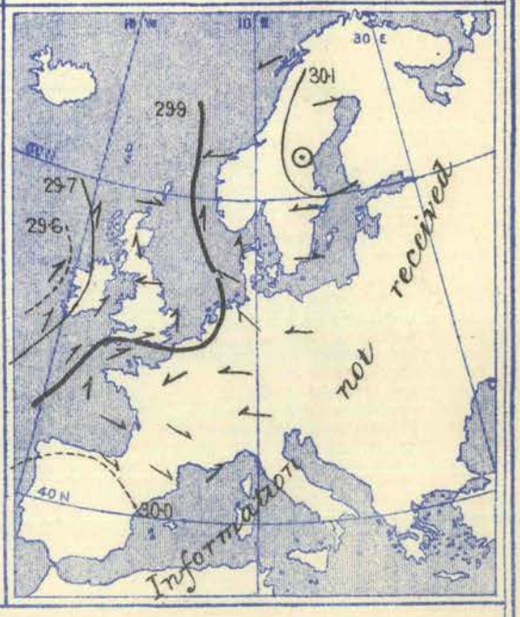
Temperature in morning highest, (1) 78° at Sanguinaires, 77° at Barcelona and Trieste, and above 70° at almost all the Mediterranean stations; (2) 74° at Stockholm; (3) 66° in London. Lowest, (1) 49° at Archangel, 52° at Bodö; (2) 53° at Sumburgh Head, and between 56° and 59° in several parts of Scotland and Ireland; (3) 55° at Hermanstadt, 59° at Moscow and Kief. Rising later to between 80° and 83° over the inland parts of England, to 84° at Berlin and Brussels, 86° at Frankfürt, and to 87° at Paris.

Barometer and Wind.

8 a.m.



6 p.m.

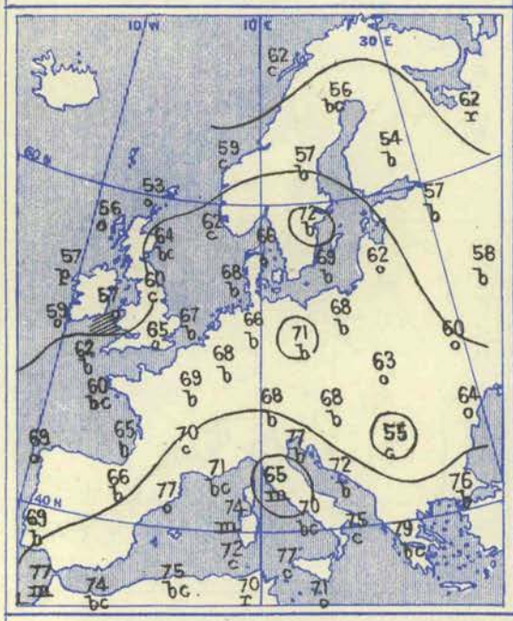


Wind very variable in direction over the greater part of Europe, but mainly Southerly to Westerly over the British Islands and France, South-Easterly on the eastern shores of the North Sea, and North-Westerly in Finland. In force it was light or moderate generally. The South-Westerly current over our Islands increasing somewhat in force later, and the winds in France becoming rather variable.

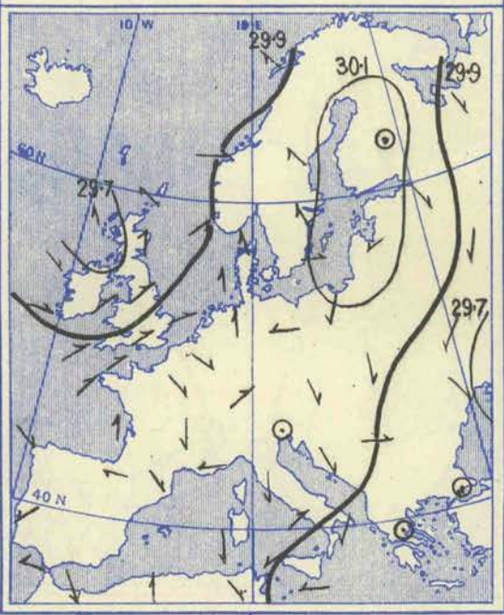
Barometer highest, (1) 30·10 ins. and upwards over the more northern parts of Scandinavia; (2) 30·0 ins. and upwards over the Spanish Peninsula. Lowest, (1) 29·7 ins. and less off the west coasts of the British Islands; (2) 29·7 ins. and less over Hungary and the south-west of Russia; (3) about 29·8 ins. in the neighbourhood of Malta. Barometer falling decidedly on our western and northern coasts later, and depression appearing over Ireland.

Saturday, 14th July.

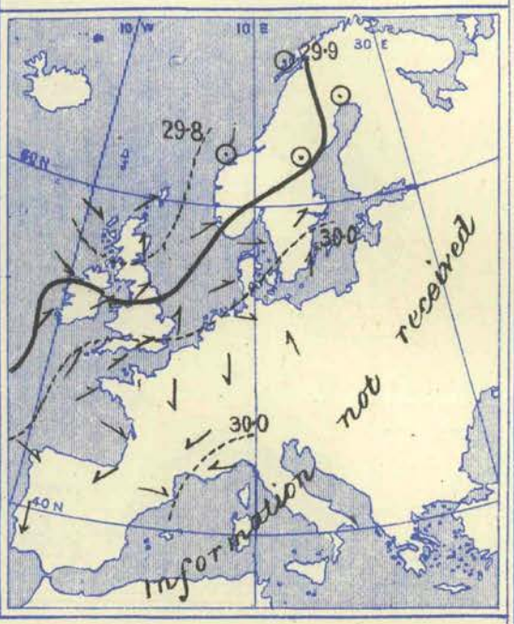
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over the Baltic, central, western and south-western Europe; dull and cloudy in many parts of the United Kingdom but inclined to improve. Very fine later over almost the whole of Europe, but some rain in various parts of Scotland, a thunderstorm at the mouth of the Elbe, and lightning at Jersey.

Temperature in morning highest, (1) 79° at Athens and above 70° at many of the stations in southern Europe, 65° to 69° over central Europe and France; (2) 72° at Stockholm, and abov 65° over Denmark and the southern parts of Scandinavia, 67° at Yarmouth, 65° in Lon n. Lowest, 53° at Sumburgh Head, 56° at Stornoway, 57° at Blacksod and Holyhead, 58° Wick. Rising later (1) to 73° at Loughborough, 75° in London; (2) 90° at Berlin, 88° at) s, 84° at Belfort, 91° at Perpignan.

Wind (1) very light and variable, mainly anticyclonic over the Continent; (2) light Southerly and South-Westerly over Great Britain, Westerly and North-Westerly in Ireland. The North-Westerly wind in the west giving way later and a Southerly breeze setting in at Valencia. [Hardly any Continental information for evening has been received at present.]

Barometer highest, 30·1 ins. and more to 30·0 in. over the Baltic and Sweden, and exceeding 30·0 ins. all over north Germany, France and Spain. Lowest, 29·7 ins. and less in a depression off our extreme north-west coasts; 29·9 ins. in the north-west of Norway. Rising for a time over Ireland later as well as over the north-western and western parts of Great Britain.

GENERAL NOTES.

The week commenced with an anticyclone, in which the highest readings exceeded 30·3 ins., covering the whole of the British Islands, the Bay of Biscay and the western half of France, but with depressions lying (1) over Sweden and the Baltic, and (2) over the Adriatic, Italy, and the north-eastern part of the Mediterranean. Temperature was much above 70° over many parts of the Mediterranean, but was low for the time of year over the British Islands, northern and central Europe, and the winds over the latter countries were Northerly to Westerly. Later on the Baltic depression moved north-eastwards, that over Italy south-eastwards, and as the anticyclone over the British Islands moved eastwards and south-eastwards, a warm Southerly and South-Easterly wind set in, so that the maximum temperature recorded on Tuesday was 83° in London, and on Wednesday the highest readings recorded were 83° in London, 90° at Lorient, and 102° at Rochefort, though the maxima over central and eastern Europe were not nearly so high.

The high pressure region (reduced in intensity but enlarged in size) now passed on to Scandinavia and the Baltic; a number of small disturbances appeared over north-western and western Europe. Thunderstorms appeared over the north-western, northern and midland parts of the Kingdom, and while temperature gave way somewhat over our Islands and France, it rose over the more eastern countries. On Saturday, however, a new anticyclonic area was appearing in the west, the small depressions in the west and east were disappearing, and finer weather was approaching.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 164.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	27·7	?	23	?	BRIGHTON	77·3	+27·1	69	+23
STRATHPEFFER SPA	?19·5	?−10·5	?16	?− 9	WORTHING	75·0	?	67	?
EDINBURGH	29·1	− 2·7	25	− 2	BOGNOR	73·1*	?	65*	?
MORPETH	45·8	?	39	?	WATERGATE (Emsworth)	70·2	?	63	?
NEWCASTLE-ON-TYNE	38·8	?	33	?	WESTBOURNE (Emsworth)	75·7*	+28·9	68*	+26
OSWALDKIRK (Yorkshire)	51·5	+17·0	45	+15	VENTNOR HOSPITAL	67·9	?	61	?
YORK					SOUTHPORT	53·6	?	47	?
LOWESTOFT	74·2	?	66	?	RHYL	*	?	*	?
HOLLESLEY BAY	76·9	?	68	?	COLWYN BAY		?		?
SHEFFIELD	62·6	?	55	?	ABERDOVEY	55·7*	?	49*	?
WORKSOP	58·6	+23·8	51	+20	TENBY	60·7	+12·2	54	+12
THURCASTON (Leicestershire)	62·0	+25·3	54	+22	NEWQUAY	79·2	+29·4	71	+27
MARGATE	67·5	+25·0	60	+22	TORQUAY	79·1	+32·1	71	+27
EASTBOURNE	82·0	+32·5	73	+28	GUERNSEY	91·3*	+37·9	83*	+34

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°							
Week ending June 2nd, 1900	Tenby	—	—	—	—	—	—	—	—	—	—	—	68·2	+ 17·3	60	+ 15
,, ,, ,, 9th, ,,	York	—	—	—	—	—	—	—	—	—	—	—	29·6	− 13·4	25	− 12
,, ,, ,, 16th, ,,	Morpeth	—	—	—	—	—	—	—	—	—	—	—	65·1	?	55	?
,, ,, ,, ,, ,,	York	—	—	—	—	—	—	—	—	—	—	—	48·7	+ 6·6	41	+ 6
,, ,, ,, 23rd, ,,	Tenby	—	—	—	—	—	—	—	—	—	—	—	51·2	− 3·6	45	− 3

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 29.] *Third Series.* WEEK ENDING SATURDAY, JULY 21ST, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 170.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	78	43	64·8	52·8	58·4	4 above	115	+32	0	0	1001	+ 98	639	+ 16
	1. SCOTLAND, EAST	77	47	67·3	54·8	60·6	4 above	130	+29	0	0	1123	- 3	697	+ 48
	2. ENGLAND, N.E.	80	49	71·4	55·4	62·9	4 above	146	+34	0	0	1241	+ 80	518	- 31
	3. ENGLAND, EAST	95	46	79·3	56·9	67·3	7 above	177	+53	0	0	1480	+ 84	530	- 87
	4. MIDLAND COUNTIES	90	43	78·9	54·1	65·7	6 above	166	+46	0	0	1442	+ 15	567	- 52
	5. ENGLAND, SOUTH	92	45	78·0	58·1	67·4	7 above	178	+48	0	0	1577	+ 57	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	76	45	67·8	55·2	61·3	4 above	135	+32	0	0	1262	+ 67	506	+ 44
	7. ENGLAND, N.W.	83	50	72·5	57·1	64·3	5 above	156	+43	0	0	1327*	+ 52	452	- 7
	8. ENGLAND, S.W.	89	43	74·0	55·9	64·3	5 above	156	+38	0	0	1487	+ 33	336	- 25
	9. IRELAND, NORTH	77	45	68·2	55·5	61·4	4 above	136	+32	0	0	1301	+ 9	416	+ 21
	10. IRELAND, SOUTH	75	46	69·0	57·3	62·7	4 above	145	+32	0	0	1507	+ 20	373	+ 74
	—CHANNEL ISLANDS	87	57	72·7	60·1	66·0	5 above	168	+40	0	0	1840	+209	97	- 51

Rainfall.

	DISTRICTS. (See p. 170.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	6	3 less	141	+11	24·8	+ 0·4
	1. SCOTLAND, EAST	4	6	1 less	117	+11	17·1	+ 1·5
	2. ENGLAND, N.E.	2	4	2 less	102	+ 3	14·3	+ 1·6
	3. ENGLAND, EAST	2	5	2 less	105	+ 9	13·9	+ 1·5
	4. MIDLAND COUNTIES	2	3	3 less	99	+ 4	15·4	+ 1·2
	5. ENGLAND, SOUTH	1	less than ½	6 less	92	+ 1	14·8	+ 0·9
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	12	2 more	123	+12	26·7	+ 1·1
	7. ENGLAND, N.W.	3	5	3 less	105	+ 3	17·0	+ 1·0
	8. ENGLAND, S.W.	2	1	7 less	109	+ 6	22·9	+ 3·1
	9. IRELAND, NORTH	4	3	5 less	131	+11	18·8	+ 1·5
	10. IRELAND, SOUTH	2	5	2 less	118	+ 9	21·4	+ 1·6
	— CHANNEL ISLANDS	3	2	4 less	118	+ 9	18·7	+ 3·0

Bright Sunshine.

	DISTRICTS. (See p. 170.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	34	+ 4	29	+ 4	697	- 9	27	0
	1. SCOTLAND, EAST	32	- 2	28	- 2	724	- 83	27	- 4
	2. ENGLAND, N.E.	54	+23	48	+21	736*	- 62	28	- 2
	3. ENGLAND, EAST	82	+33	74	+30	1092	+ 26	37	+ 1
	4. MIDLAND COUNTIES	67	+30	60	+28	824	+ 25	33	+ 1
	5. ENGLAND, SOUTH	80	+36	73	+32	1004	+ 32	38	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	31	- 7	27	- 6	838	- 13	32	0
	7. ENGLAND, N.W.	53	+13	47	+11	918*	+ 53	35	+ 3
	8. ENGLAND, S.W.	56	+11	51	+10	1017	- 1	39	0
	9. IRELAND, NORTH	36	+ 4	32	+ 4	843	+ 41	32	+ 1
	10. IRELAND, SOUTH	26	- 8	23	- 7	864	- 37	33	- 2
	— CHANNEL ISLANDS	62	+16	57	+15	1118	+ 29	46	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was dull and changeable in the western and northern parts of the United Kingdom, with occasional falls of rain. In the eastern, central and southern districts it was mostly fine and warm in the earlier half of the week, but with thunderstorms in many places on the 16th. During the latter half of the period thunderstorms occurred in most parts of England and Ireland, and in some instances they were accompanied by very heavy falls of rain and hail.

Temperature was above the mean, the excess ranging between 4° and 5° in all the more western and northern districts, but amounting to as much as 6° in the Midland Counties and 7° in England E. and S. The highest readings occurred on very irregular dates. In Ireland and Scotland the thermometer did not reach 80°, but in nearly all the English districts it exceeded 85°, the highest readings of all being 95° in England E. (at Cambridge on the 20th), 92° in England S. (in London on the 16th, and again on the 19th), and 90° in England E. and the Midland Counties (at Hillington and Oxford on the 19th). The lowest readings, which occurred mostly during the earlier half of the week, ranged from 43° in Scotland N., the Midland Counties and England S.W., to 50° in England N.W., and to 57° in the Channel Islands.

Rainfall was less than the mean in all districts excepting Scotland W., and was extremely slight in England S. In isolated parts of England heavy rains were, however, experienced during the thunderstorms of the 19th to 21st, the amount on the 20th being as large as 1·7 ins. at East Dereham, and 1·1 ins. at Loughborough.

Bright Sunshine was less than the mean in Scotland E. and W. and also in Ireland S. In other districts it exceeded the mean, the excess being large in the eastern, midland and southern counties of England.

Barometer and Wind.—At the beginning of the week, when an anticyclone extended over England from the Continent, the prevailing winds were chiefly Southerly. On the 16th the anticyclone receded eastwards, but on the following day a new high-pressure system advanced from the Atlantic, and for a time South-Westerly or Westerly breezes prevailed on all but our southern coasts, where the wind was mostly Easterly. After the 19th the new system also passed away to the eastward, but another anticyclone was formed over the northern part of the North Sea. A large shallow depression now appeared off our south-west coasts, while a small secondary system advanced over France and England, the winds shifting to the East or North-East very generally, but finally veering to the South-West again over the English Channel.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 169 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°			°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	62	45	58·3	50·4	54·1	+ 1·2	85	0	3	0·29	− 0·29	*	*	*	*
	Stornoway	68	50	63·9	51·6	57·3	+ 2.8	107	0	5	0·67	− 0·03	48·0	+15·0	40	+13
	Wick	73	43	65·7	51·1	57·9	+ 2·8	111	0	4	0·53	− 0·04	*	*	*	*
	Lairg Ⓢ	78	46	70·0	53·0	60·9	+ 6·7	132	0	4	0·21	− 0·51	*	*	*	*
	Glencarron Ⓢ	67	48	63·2	52·6	57·5	+ 2·9	109	0	5	1·21	− 0·19	*	*	*	*
	Fort Augustus Ⓢ	72	54	66·4	55·7	60·7	+ 4·4	131	0	5	0·41	− 0·33	20·7	+ 0·4	18	+ 1
	Fort William Ⓢ	71	52	66·3	55·4	60·5	+ 4·0	130	0	6	0·84	− 0·37	20·9	− 7·6	18	− 6
1. SCOTLAND, E.	Nairn	74	47	68·1	54·3	60·7	+ 3·4	131	0	3	0·24	− 0·41	*	*	*	*
	Aberdeen	75	53	66·9	55·4	60·8	+ 3·9	132	0	4	0·81	+ 0·12	32·8	− 3·9	28	− 3
	Braemar Ⓢ	67	48	63·7	53·5	58·2	+ 3·7	113	0	4	0·45	− 0·20	19·0†	−13·0†	16†	−11†
	Ochtertyre Ⓢ										*	*	*	*	*	*
	Leith Ⓢ	77	53	69·0	56·4	62·3	+ 3·7	142	0	4	1·07	+ 0·42	*	*	*	*
	Marchmont Ⓢ	75	52	68·6	54·3	61·0	+ 4·5	133	0	3	0·37	− 0·42	44·0	+ 6·9	38	+ 6
2. ENGLAND, N.E.	Alnwick Castle	78	53	71·2	56·0	63·1	+ 5·9	148	0	1	0·03	− 0·62	*	*	*	*
	Durham	79	52	73·1	54·6	63·2	+ 4·3	148	0	2	0·28	− 0·44	62·0	+26·3	54	+23
	Shields	76	55	70.1	56·0	62·6	+ 4·9	144	0	1	0·33	− 0·30	*	*	*	*
	Scarborough Ⓜ	80	49	72·4	53·2	62·1	+ 3·0	141	0	3	0·70	+ 0·03	*	*	*	*
	Spurn Head	74	55	70·3	57·4	63·4	+ 3·7	150	0	2	0·62	+ 0·20	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	90	46	82·1	56·5	68·4	+ 7·9	185	0	3	1·22	+ 0·50	70·7	+28·5	63	+26
	Yarmouth	75	55	71·0	59·9	65·1	+ 4·7	162	0	3	0·34	− 0·33	*	*	*	*
	Geldeston	83	53	79·1	55·9	66·7	+ 6·3	173	0	2	0·62	− 0·01	85.5	+40·0	77	+36
	Cambridge	95	50	85·9	55·3	69·5	+ 8·1	193	0	3	0·54	− 0·06	77·2	+34·4	70	+32
	Felixstowe	80	55	75·4	59·8	67·1	+ 6·7	176	0	1	0·05	?	88·5	?	80	?
	Rothamsted	89	49	82·0	54·0	67·0	+ 6·6	175	0	1	0·11	− 0·54	74·7	+29·4	67	+26
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	87	50	80·6	54·4	66·6	+ 6·4	172	0	3	0·59	− 0·05	*	*	*	*
	Loughborough	89	48	81·1	54·6	66·9	+ 5·6	174	0	2	1·15	+ 0·60	*	*	*	*
	Cheadle Ⓜ	82	49	75·3	55·9	64·9	+ 7·2	160	0	2	0·12	− 0·62	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	87	49	78·2	57·1	66·9	+ 7·3	174	0	2	0·33	− 0·34	63·8	?	57	?
	Churchstoke Ⓜ	84	43	77·1	51·1	63 5	+ 5·4	151	0	1	0·01	− 0·50	70·1	+31·8	63	+29
	Hereford (Belmont) Ⓜ	86	44	78·9	52·1	64·6	+ 4·4	158	0	2	0·12	− 0·43	*	*	*	*
	Cirencester	88	43	79·3	51·7	64·5	+ 5·4	158	0	2	0·15	− 0·57	67·3	+26·1	61	+24
	Oxford	90	52	80·9	55·6	67·4	+ 6·5	178	0	3	0·16	− 0·46	69·3	+27·5	62	+24
5. ENGLAND, S.	London	92	53	85·9	58·7	71·4	+ 9·1	206	0	1	0·01	− 0·56	74·1†	+35·3†	67†	+32†
	Swarraton (Alresford) Ⓜ	88	45	80·2	53·3	65·8	+ 4·7	167	0	2	0·06	?	*	*	*	*
	Dungeness	82	55	74·7	60·1	66·9	+ 5·5	174	0	0	—	− 0·48	82·6	?	75	?
	Hastings (St. Leonards)	85	55	79·3	61·3	69·7	+ 9·0	194	0	1	0·02	− 0·56	92·7	+42·8	84	+49
	Southampton	86	53	79·8	58·5	68·4	+ 6·6	185	0	2	0·01	− 0·64	67·8	+21·7	62	+20
	Portland Bill	74	55	69·4	56·9	62·7	+ 4·2	145	0	1	0·03	?	*	*	*	*
	Shaftesbury Ⓜ	85	50	76·6	58·0	66·7	+ 8·1	173	0	2	0·05	− 0·65	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	70	45	67·7	52·6	60·2	+ 3·2	127	0	7	0·85	− 0·38	*	*	*	*
	Glasgow	72	54	66·4	57·3	61·5	+ 4·3	137	0	3	1·46	+ 0·66	28·8	− 3·2	25	− 2
	Glenlee Ⓢ	75	48	69·6	56·6	62·7	+ 5·2	145	0	4	1·30	+ 0·32	*	*	*	*
	Douglas (Isle of Man)	74	47	67·5	55·2	60·9	+ 3·7	132	0	4	0·97	+ 0·27	32·7	−12·1	29	−10
7. ENGLAND, N.W.	Newton Reigny	79	51	73·6	54·4	63·3	+ 5·7	149	0	3	0·53	?	42·3	?	37	?
	Stonyhurst	78	52	72·1	57·3	64·2	+ 5·8	155	0	3	0·86	− 0·17	56·8	+18·6	50	+17
	Blackpool Ⓜ	81	50	71·3	57·9	64·1	+ 4·6	135	0	4	0·41	− 0·34	41·6	+ 1·5	36	+ 1
	Manchester (Prestwich)	81	53	76·2	56·7	65 8	+ 7·1	167	0	2	0·33	− 0·57	56·0	?	49	?
	Liverpool Obsy. (Bidston)	80	54	74·1	58·7	65·9	+ 6·2	167	0	3	0·45	− 0·25	57·2	?	51	?
	Llandudno Ⓜ	83	55	72·4	58·4	64·9	+ 5·0	160	0	3	0·15	− 0·46	56·3	+18·3	50	+15
	Holyhead	76	54	68·0	56·6	61·9	+ 3·1	139	0	4	0·81	+ 0·24	*	*	*	*
8. ENGLAND, S.W.	Llandovery	88	43	77·9	51·7	63·9	+ 5·0	153	0	1	0·05	− 0·90	*	*	*	*
	Pembroke	73	53	65·9	56·0	60·6	+ 1·9	130	0	3	0·16	− 0·45	45·5	+ 0·4	41	+ 1
	Clifton	89	53	79·4	59·4	68·7	+ 8·3	187	0	0	—	− 0·77	*	*	*	*
	Arlington (N. Devon)	83	48	74·0	53·7	63·1	+ 4·7	148	0	3	0·08	− 1·07	*	*	*	*
	Cullompton Ⓜ	87	48	78·5	54·4	65·6	+ 4·9	165	0	2	0·12	− 0·60	63·6	+24·4	58	+22
	Falmouth	77	56	70·1	58·5	63·9	+ 3·7	153	0	2	0·07	− 0·68	52·0	+ 3·7	48	+ 4
	Plymouth	82	54	72·3	57·4	64·3	+ 3·1	156	0	3	0·26	− 0·44	52·4	+ 8·7	48	+ 8
9. IRELAND, N.	Malin Head	71	52	64·7	55·4	59·7	+ 2·8	124	0	2	0·02	?	*	*	*	*
	Londonderry	75	49	71·2	56·1	63·1	+ 4·8	148	0	3	0·48	− 0·34	*	*	*	*
	Edenfel (Omagh)	73	45	69·9	55·6	62·3	+ 5·6	142	0	4	0·32	− 0·49	*	*	*	*
	Blacksod Point	67	49	65·0	55·0	59·7	+ 2·3	124	0	4	0·42	?	*	*	*	*
	Markree Castle	73	48	70·2	55·5	62·3	+ 5·6	142	0	6	0·20	− 0·70	34·8	+ 5·8	31	+ 5
	Armagh	77	51	70·9	56·9	63·4	+ 5·8	150	0	2	0·33	− 0·39	37·9	+ 6·0	33	+
	Donaghadee	71	50	65·6	53·7	59·2	+ 1·7	120	0	4	0·48	− 0·20	*	*	*	*
10. IRELAND, S.	Dublin	75	56	72·1	60·0	65·6	+ 5·9	165	0	4	0·94	+ 0·32	40·6	+ 4.4	36	+
	Parsonstown	74	52	70·7	57·1	63·4	+ 5·1	150	0	4	0·49	− 0·21	28·4	− 2.4	25	−
	Kilkenny	72	49	70·9	56·4	63·2	+ 4·6	148	0	3	0·44	− 0·16	*	*	*	*
	Roche's Point	70	54	65·1	57·0	60·8	+ 1·1	132	0	4	0·53	− 0·22	*	*	*	*
	Valencia	70	52	67·1	58·3	62·4	+ 3·7	143	0	5	0·45	− 0·52	7·5	− 27·3	7	−24
	Killarney	73	46	69·7	56·6	62·7	+ 4·4	145	0	2	0·15	?	*	*	*	*
	Foynes	69	50	67·2	55·4	60·9	+ 3·4	132	0	2	0·61	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	72	58	68·3	59·1	63·4	+ 3·2	150	0	3	0·26	− 0·32	48·6	?	45	?
	Jersey	87	57	77·1	61·1	68·5	+ 6·3	186	0	1	0·08	− 0·51	70.1	+18·2	65	+17

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

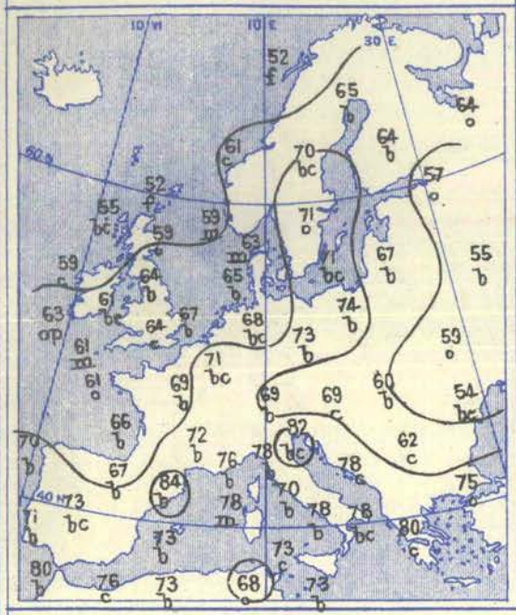
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

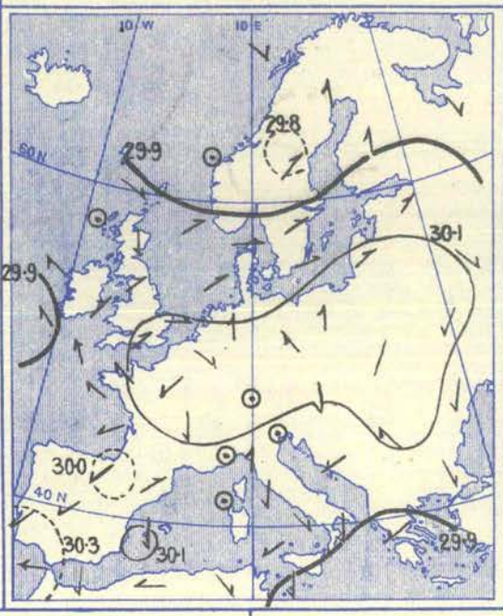
Note.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 15th July.

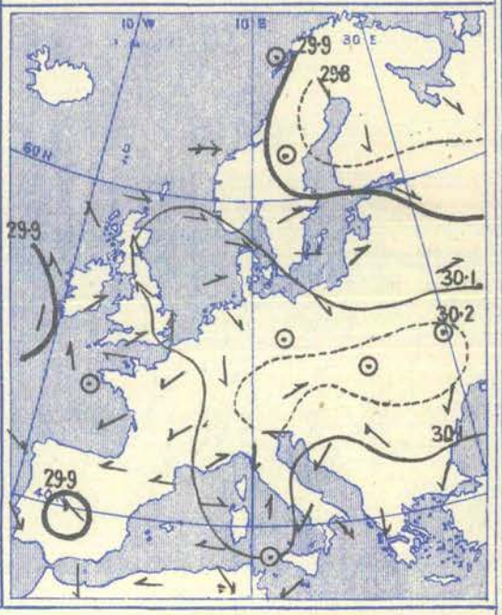
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of western Europe, but dull on our western coasts, with showers at Valencia (Ireland). Rain falling later at nearly all our northern and western stations, and also over northern Europe. Lightning was seen at Blacksod, and also at Lyons during the night.

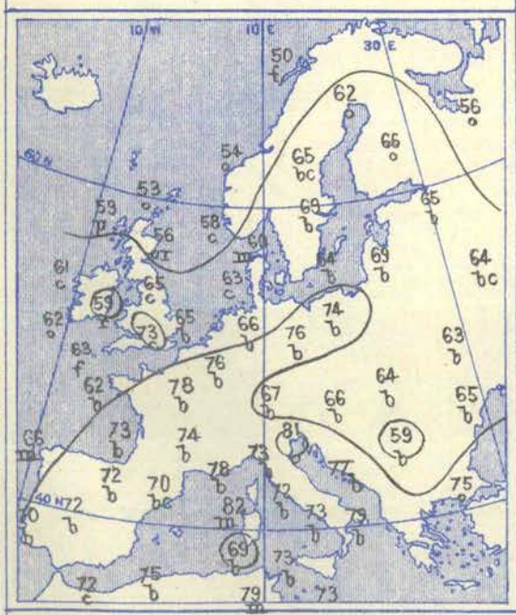
Temperature in morning highest, 84° at Barcelona, 82° at Trieste, 80° at Athens and San Fernando, and above 70° over southern Europe generally. Lowest, 52° at Bodö and Sumburgh Head, 55° at Moscow and Stornoway, and 57° at St. Petersburg. Rising later to 80° in London, 79° at Loughborough, 88° at Paris, 91° at Biarritz, 90° at Nice, and 99° at Madrid.

Wind moderate to fresh from South-East in Ireland and on our south-west coasts; light and variable in Scotland and England; light from the Eastward over France and central and southern Europe. South-Westerly and Westerly over Scandinavia and northern Europe. Becoming more Southerly over our Islands later, and freshening somewhat. Very little change later.

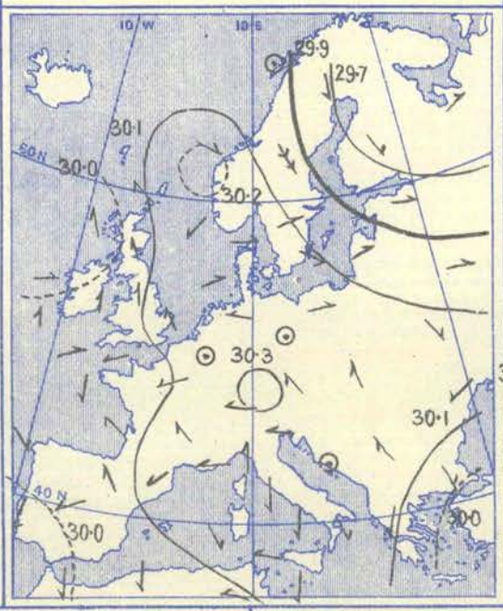
Barometer highest, 30·1 ins. and more in an anticyclone over the greater part of France, the south-eastern counties of England, and central Europe generally. Lowest, 29·8 ins. and less in a large shallow low pressure lying over northern Europe. and 29·9 ins, and less in another shallow system over the eastern part of the Mediterranean. The anticyclone over central Europe moving slowly to the eastward later, and increasing somewhat in height.

Monday, 16th July.

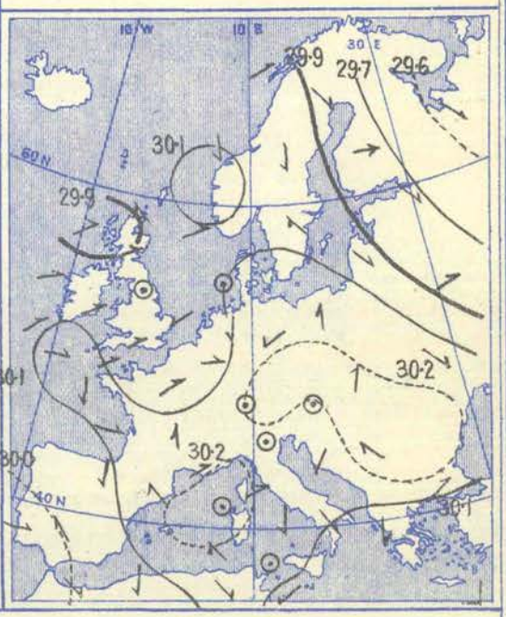
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over England and the Continent generally, but dull and showery over Ireland, Scotland and the northern part of Scandinavia. Thunderstorms later over many parts of England, Scotland and north Germany, and heavy rain falling at Moscow.

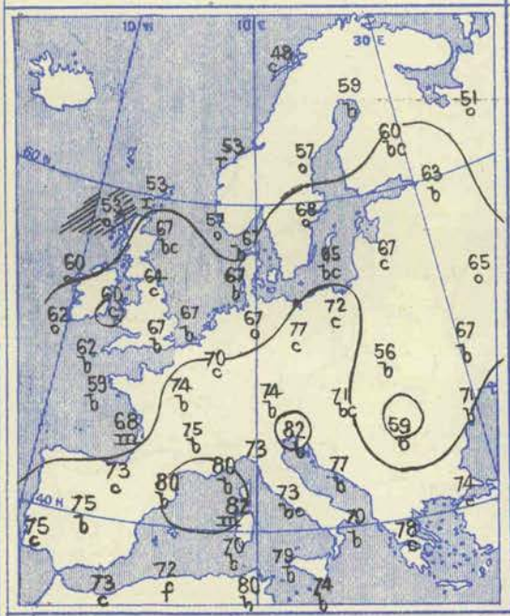
Temperature in morning highest, (1) 82° at Cape Sicie, 81° at Trieste, 80° at Sanguinaires, and 79° at Brindisi, Athens and Sfax, and 78° in Paris; (2) 74° at Jersey, and 73° at Loughborough and in London. Lowest, 50° at Bodö, 53° at Sumburgh Head, 54° at Christiansund, and 56° at Aberdeen and Archangel. Rising later to 80° at Loughborough, 82° at Dungeness, 92° at Bruxelles and in London, 93° at Cape Gris Nez and Lyons, and 98° at Paris. Maxima over southern Europe ranging between 80° and 95°.

Wind North-Westerly to Westerly, moderate to a gale over Sweden. Chiefly Southerly, light over the United Kingdom, Easterly, light over France and Germany, and Northerly over the Mediterranean. Becoming more Westerly over our Islands later; little change elsewhere. A whirlwind passed over the southern and eastern counties of England during the afternoon.

Barometer highest, 30·2 ins. and more over Germany, Denmark and central Europe, and also in a small anticyclone over the west of Norway. Lowest, 29·7 ins. and less in a depression of moderate depth over the northern part of Russia, and 30·0 ins. and less in two shallow systems lying off the north-west of our Islands and over the south of Spain respectively. Barometer falling rather decidedly over Scotland later.

Tuesday, 17th July.

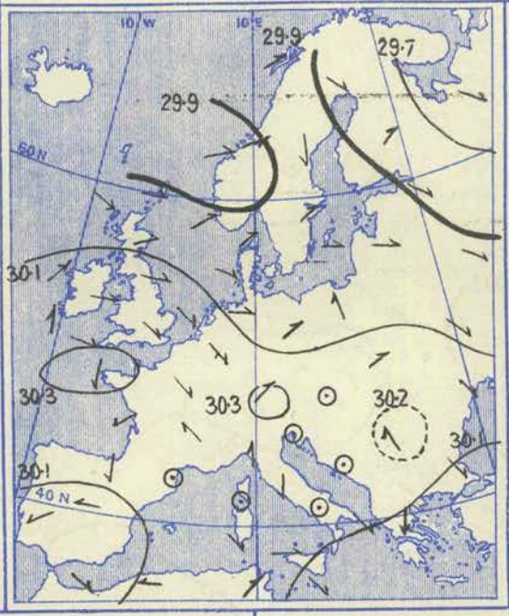
Temperature and Weather. — 8 a.m.

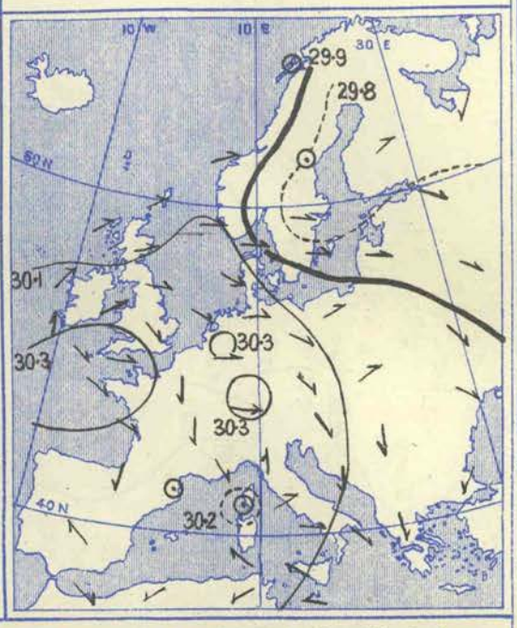


Weather in morning fine and bright over the British Islands, France and Spain, and over many parts of central and northern Europe, dull in the west of Ireland, rainy in the Shetlands and west of Norway. A little rain later in the extreme west of Ireland, the Hebrides, Shetlands and north-west of Norway; a slight fall at Munich also; fog or haze in the west.

Temperature in morning highest, (1) 84° at Toulon, 80° at La Calle, Barcelona and Nice; above 70° in several parts of central France and north Germany. Lowest, 48° at Bodö, 51° at Archangel, 53° at Christiansund and Sumburgh Head, 57° at Skudesnaes, 58° at Malin Head, 59° at Stornoway and Karlstad. Rising later to 79° at Loughborough and Oxford, to 38° in London, 86° at Frankfort and Munich, 87° at Paris, 89° at Belfort, 92° at Lyons.

Barometer and Wind. — 8 a.m. and 6 p.m.



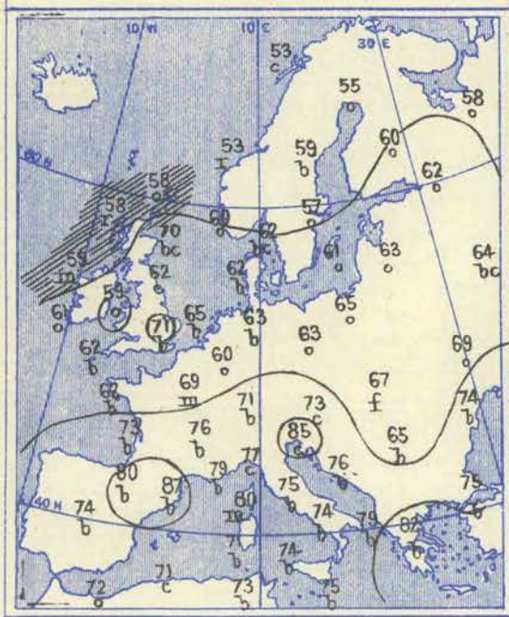


Wind (1) light, and imperfectly anticyclonic, over the southern parts of our Islands, France, south Germany and the north of Spain; (2) South-Westerly, moderate to fresh on our north-west coasts, Westerly in the north, very variable, but moderate to strong, over northern Europe, North-Easterly over the south of Portugal. A Southerly breeze in Ireland later, and a West-South-West wind at Lisbon. South-Westerly at our extreme northern stations and at Christiansund.

Barometer highest, (1) 30·3 ins. and more over Brittany and Jersey, and also at Munich, and exceeding 30·1 ins. all over Ireland, England, the Bay of Biscay, France, Germany, and south-eastern Europe. Lowest, 29·7 ins. and less over the north of Russia, 29·9 ins. and less over Norway and adjacent parts of the Atlantic. Barometer rising in our Islands, falling over northern Europe, but beginning to fall again in the west of Ireland later. The anticyclone in south-west moving eastward.

Wednesday, 18th July.

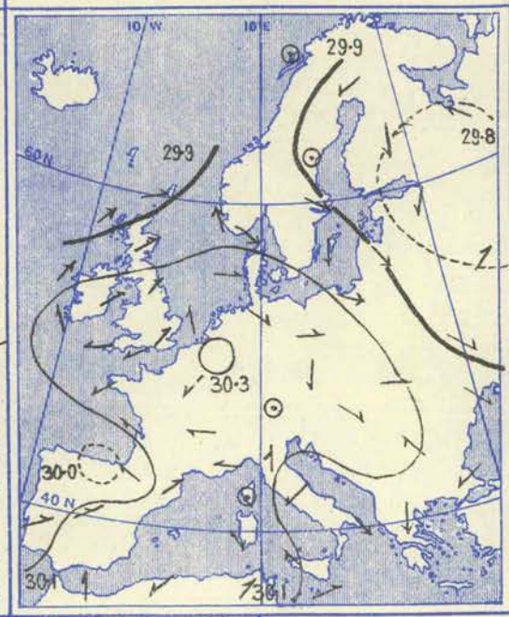
Temperature and Weather. — 8 a.m.

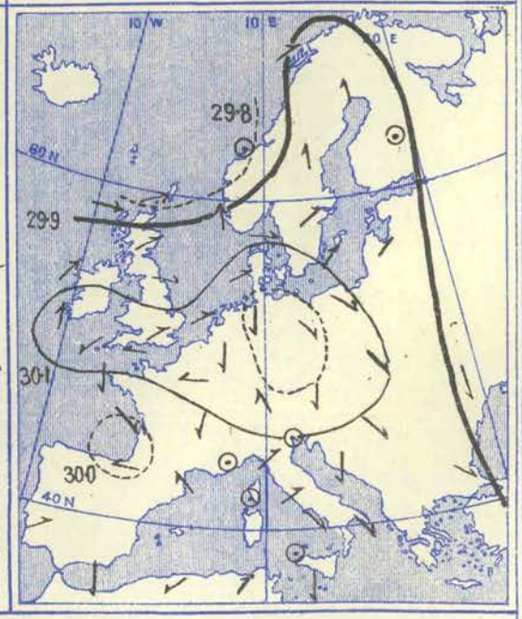


Weather in morning very fine over the Mediterranean, Spain, France and the greater part of our Islands and the North Sea; dull on our extreme western and northern coasts, with rain in the Hebrides and at Christiansund, fog at Roches Point. Considerable rain later in the extreme north of Scotland, a large amount at Christiansund, and a little at Haparanda.

Temperature in morning highest, (1) 87° at Barcelona, 85° at Trieste, 82° at Patras, 80° at Biarritz, and much above 70° at nearly all the Mediterranean Stations; (2) 70° and more at many of the Austrian stations and on the south coast of Russia; (3) 71° in London, 70° at Aberdeen, 69° at the Helder. Lowest (1) 53° in the north-west of Norway, 57° at Stockholm, 58° at Archangel, Sumburgh Head and Stornoway; (2) 57° at Pembroke, 59° at Blacksod and Holyhead; rising during day to a maximum of 72° at Stockholm, 84° at Loughborough and at Frankfort, 85° in London, 89° at Paris, 91° at Lorient, 92° at Lyons, 95° at Perpignan, 100° at Biarritz.

Barometer and Wind. — 8 a.m. and 6 p.m.





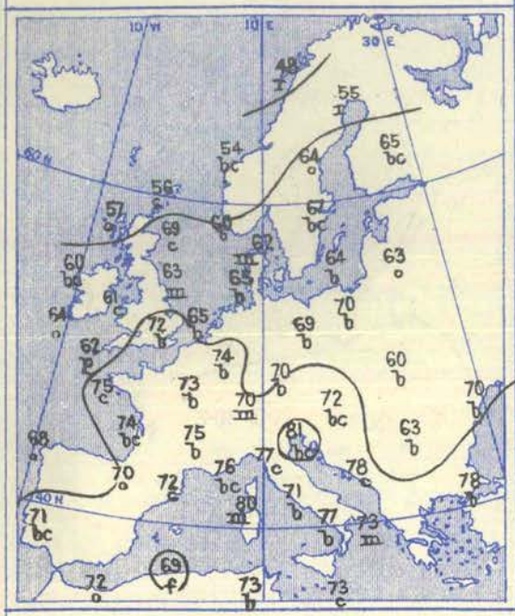
Wind was (1) Southerly and South-Westerly over Ireland and Scotland, South-Westerly in the West of Norway; (2) Northerly over the Baltic, North-Westerly over central Europe; (3) South-Easterly and Easterly over France, the Channel and Bay of Biscay; (4) light and anticyclonic over Western Germany, the Netherlands, the Southern half of England, Wales and the South-east of Ireland. Veering a little on our Western and Northern coasts later.

Barometer highest, 30·3 ins. and more to 30·1 ins. in a large anticyclone system covering the greater part of Ireland, England, the southern half of the North Sea, France, and the Mediterranean. Lowest (1) 29·8 ins. and less in a depression over Western Russia and the Gulf of Finland; (2) 29·9 ins. and less off the North of Scotland; (3) 30·0 ins. and less in the North of Spain, and also over Greece and Turkey. Falling slowly over Western Europe all day.

Thursday, 19th July.

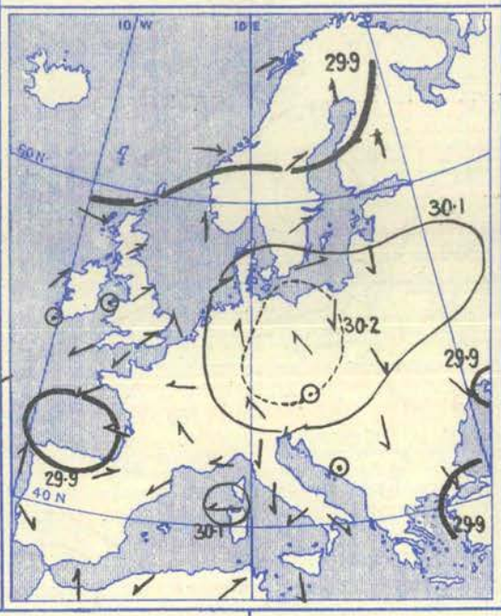
Temperature and Weather.

8 a.m.

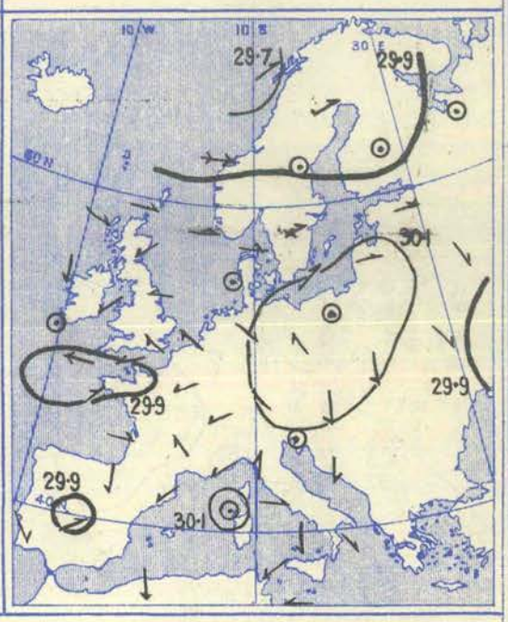


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over southern, central, and western Europe as well as over the major part of Great Britain. Dull and unsettled over the Bay of Biscay and many parts of Ireland and Scotland, and in the northern parts of Scandinavia, rain at Haparanda and Bodö. A little rain later at many of the western and northern stations (0·55 ins. at Bodö), very fine and bright over the southern half of the Continent.

Temperature in morning 84° at Trieste, 80° at Cagliari, 79° at Brindisi, 77° at Leghorn, and above 70° all over the Mediterranean, France and western Germany, 72° in London, 70° at Oxford, 68° at Loughborough. Lowest 48° at Bodö, 54° at Christiansund, 55° at Haparanda, 56° at Sumburgh Head, 57° at Stornoway. Rising later to 70° at Aberdeen, to 77° at Leith, 89° at Loughborough, 90° at Oxford, 92° in London, 95° at Paris, 94° at Lyons, 93° at Nice.

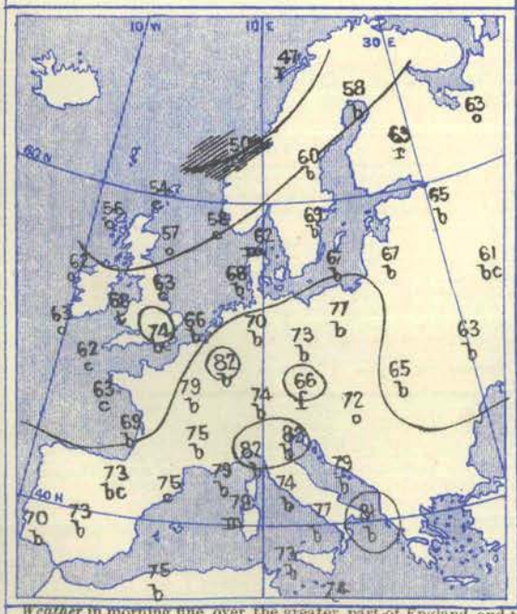
Wind was (1) light and anticylonic over central Europe and very variable over England and Ireland; (2) cyclonic (a) over the Bay of Biscay (Westerly in Spain, Easterly at Brest and in the Channel) (b) Westerly in Scotland, South-Westerly over Scandinavia; (3) light and variable over the Mediterranean. Very little change later, but the cyclonic circulation over the Bay of Biscay moving northwards.

Barometer highest 30·2 ins. and more to 30·1 ins. in an anticyclone covering the whole of central Europe and having its centre over Germany. Lowest 29·9 ins. and less (1) over the Black Sea and Asia Minor; (2) in a depression over the Bay of Biscay; (3) over the northern parts of Scandinavia and in the Shetlands. Depression in south-west, moving northwards later and thunderstorms appearing on our west and south-west coasts.

Friday, 20th July.

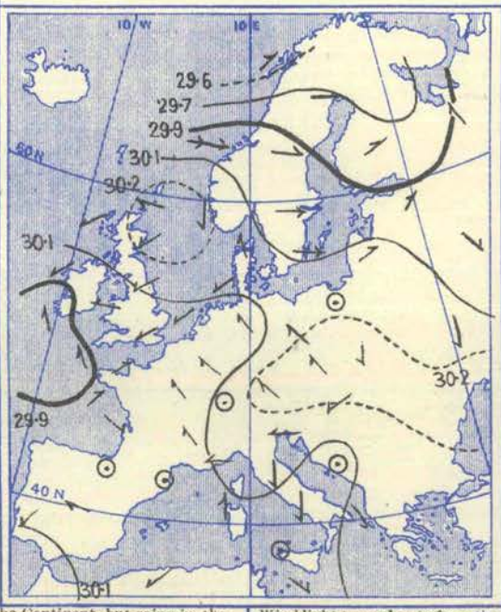
Temperature and Weather.

8 a.m.

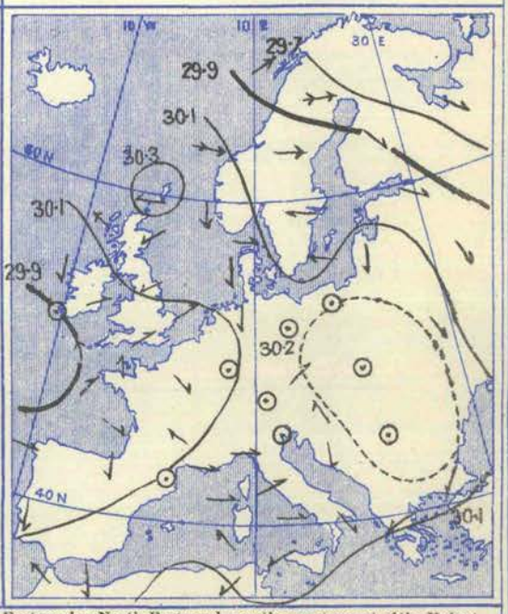


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of England and the Continent, but rainy in the west of Norway, and also at Kuopio. Cloudy or dull in Scotland; fog and thunder reported on several parts of our west and south-west coasts, with lightning also at Roches Point. Thunderstorms occurring during day in many parts of England, Ireland, and France, with heavy rain in places (1·1 in. at Loughborough).

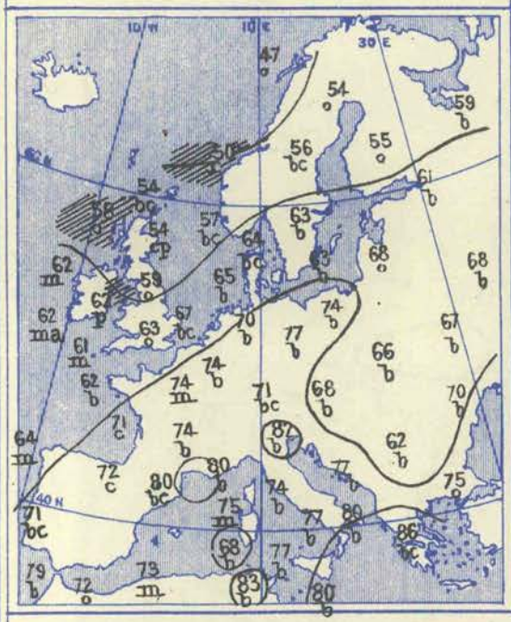
Temperature risen generally, but fallen over the Channel and Bay of Biscay, as well as in the northern parts of our Islands and Scandinavia. Morning readings highest, 82° at Brussels and Leghorn, 81° at Brindisi, and 80° at Toulon; above 70° over western and southern Europe generally, and also over the inland parts of England. Lowest, 47° at Bodö, 50° at Christiansund, and 54° at Sumburgh Head. Rising during day to 91° in London; exceeding 90° also at many of the Continental stations, and reaching 98° at Nancy and Charleville and 100° at Paris.

Wind light to moderate from the Eastward or North-Eastward over the greater part of the United Kingdom, but South-Easterly on our south-west coasts, South-Westerly in the Channel Islands, and North-Westerly at some of the western French stations. Westerly or South-Westerly over northern Europe, and strong in force in places, with a gale at Christiansund. Light from the South-Eastward over Germany and central France, and from the Eastward or North-Eastward over Austria, the Spanish Peninsula and the south of France; Northerly or North-Westerly over central and southern Italy. No important change occurring during day.

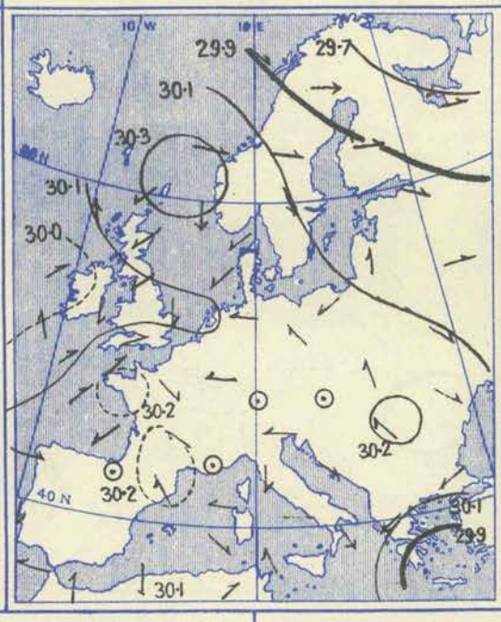
Barometer highest, 30·2 ins. and upwards in a small anticyclone over the northern part of the North Sea, and also in a larger system over eastern Germany, Austria, and the south of Russia. Lowest, 29·6 ins. in a depression off the north-west of Norway; 29·9 ins. and less in another disturbance off the south-west of our islands; 30·0 ins. and less in a small secondary system over the north-east of France, and the eastern parts of of the Channel. No important change occurring later in general distribution of pressure, but secondary depression moving northwards over England and causing thunderstorms, as noticed above.

Saturday, 21st July.

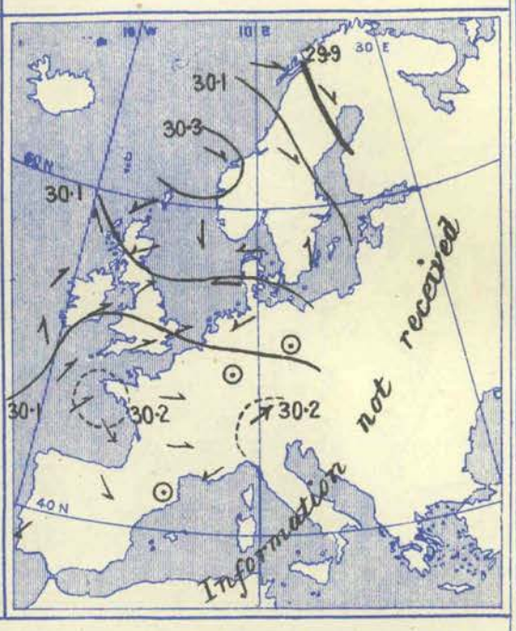
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Continent generally, dull or cloudy over our Islands, with showers at a few northern and western stations, and fog and mist over Ireland and the west of England. Rain fell later on our west and south-west coasts, and also at a few of our eastern stations, and in Paris; lightning was seen in London during the night, and thunder and lightning occurred at Lyons during the day.

Temperature in morning highest, (1) 86° at Patras, 83° at La Calle, 82° at Trieste, 81° at Leghorn, and 80° at Nice, Barcelona, and Brindisi; (2) 77° at Berlin, 76° at Helder and Belfort, 74° at Paris and Lyons, and 71° at Liverpool. Lowest, 49° at Bodö, 50° at Christiansund, 54° at Sumburgh Head, Aberdeen, and Ulealborg, and 55° at Kuopio. The maxima recorded during the day were 81° at Loughborough, 91° in London, 93° at Berlin, 94° at Lyons and Belfort, and 100° at Paris.

Wind was chiefly South-Westerly over the English Channel, England, and Ireland, South-Easterly to North-Easterly in Scotland. Cyclonic, Westerly to North-Westerly, over northern Europe, but light and variable over central and southern Europe generally. Very little change occurring later.

Barometer highest, (1) 30·3 ins. and more in an anticyclone covering the west of Norway and the northern part of the North Sea, and (2) 30·2 ins. and upwards in several high-pressure systems over France and south-eastern Europe. Lowest, 29·7 ins. and less in a rather large, but not deep, depression lying over the north of Russia; 30·0 ins. and less in a shallow system over Ireland. Barometer rising over our Islands generally, but commencing to fall in Scotland during the evening.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus ⟿ = a heavy gale. ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The week began with a large anticyclone (30·1 ins. and more to 30·0 ins.), covering nearly the whole of western, southern and central Europe, with the western parts of Russia. Off our south-west coasts lay a small depression, and similar systems were found over Sweden, the north-east of Russia, the south-east of Europe and Asia Minor. Temperature was high over the western countries—the daily maxima amounting to nearly 95° at Bordeaux and Limoges, to 88° at Paris and many other French stations, and the air was close. This distribution of pressure was reinforced later on by fresh anticyclonic systems from the Atlantic, and hot summerlike conditions continued prevalent over our Islands and central Europe throughout the entire week. The maximum daily values touched 92° in London, 91° at Berlin, 96° at Paris, and above 90° in many parts of Europe—the heat being, of course, greatest inland

During the latter half of the week depressions began to encroach on the western parts of our Islands and Continental Europe, and in those regions thunderstorms became more frequent than they had been previously. Some localities, however, were missed by the storms. The heat continued or increased, and on Friday Paris recorded a maximum of 100° in the shade, and in many parts of Europe the highest values varied from 97° to 90°.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 170.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	40·7	?	34	?	BRIGHTON	81·9	+32·7	74	+28
STRATHPEFFER SPA	38·9	+10·4	33	+ 9	WORTHING	83·1	?	76	?
EDINBURGH	32·6	+ 1·4	28	+ 1	BOGNOR	79·8*	?	73*	?
MORPETH	51·8	?	45	?	WATERGATE (Emsworth)	77·2	?	70	?
NEWCASTLE-ON-TYNE	42·5	?	37	?	WESTBOURNE (Emsworth)	77·4*	+30·4	70*	+27
OSWALDKIRK (Yorkshire)	60·1	+25·7	53	+23	VENTNOR HOSPITAL	71·3	?	65	?
YORK	55·8	+18·8	49	+17	SOUTHPORT	52·5	?	46	?
LOWESTOFT	85·7	?	77	?	RHYL	55·4*	?	49*	?
HOLLESLEY BAY	94·6	?	85	?	COLWYN BAY		?		?
SHEFFIELD	61·7	?	55	?	ABERDOVEY	62·8*	?	56*	?
WORKSOP	65·1	+30·1	58	+27	TENBY	57·9	+12·9	52	+12
THURCASTON (Leicestershire)	74·5	+27·9	67	+35	NEWQUAY				
MARGATE	84·9	+42·0	77	+38	TORQUAY	63·0	+17·0	58	+16
EASTBOURNE	92·5	+43·1	84	+39	GUERNSEY	66·9*	+13·9	62*	+13

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 30.] *Third Series*

WEEK ENDING SATURDAY, JULY 28TH, 1900.

[*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 176.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	72	46	63·0	52·3	57·2	2 above	106	+21	0	0	1107	+119	639	+ 16
	1. SCOTLAND, EAST	74	43	65·8	53·1	59·0	2 above	119	+16	0	0	1242	+ 13	697	+ 48
	2. ENGLAND, N.E.	84	51	72·2	58·0	64·6	6 above	158	+44	0	0	1399	+124	518	- 31
	3. ENGLAND, EAST	92	54	79·1	60·6	69·2	9 above	190	+64	0	0	1670	+148	530	- 87
	4. MIDLAND COUNTIES	89	50	78·3	58·4	67·6	8 above	179	+58	0	0	1621	+ 73	567	- 52
	5. ENGLAND, SOUTH	91	55	77·2	60·8	68·4	8 above	185	+53	0	0	1762	+110	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	73	45	67·0	55·4	60·8	4 above	132	+27	0	0	1394	+ 94	506	+ 44
	7. ENGLAND, N.W.	79	49	70·5	58·2	63·9	5 above	153	+38	0	0	1480	+ 90	452	- 7
	8. ENGLAND, S.W.	84	53	74·4	58·8	66·0	6 above	168	+48	0	0	1655	+ 81	336	- 25
	9. IRELAND, NORTH	74	41	66·8	54·8	60·4	3 above	129	+23	0	0	1430	+ 32	416	+ 21
	10. IRELAND, SOUTH	78	48	70·6	57·6	64·7	5 above	159	+45	0	0	1666	+ 65	373	+ 74
	—CHANNEL ISLANDS	84	60	73·5	61·4	67·1	5 above	176	+45	0	0	2016	+254	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 176.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	8	1 less	147	+12	25·6	+ 0·3	18	- 7	16	- 6	715	- 15	26	- 1
	1. SCOTLAND, EAST	4	8	1 more	121	+12	17·9	+ 1·6	22	-10	19	-10	746	- 93	27	- 4
	2. ENGLAND, N.E.	2	4	3 less	104	+ 1	14·9*	+ 1·5	41	+10	36	+ 9	777	- 53	28	- 2
	3. ENGLAND, EAST	1	2	4 less	106	+ 6	14·1	+ 1·0	68	+21	62	+20	1070	+ 47	37	+ 1
	4. MIDLAND COUNTIES	1	5	1 less	100	+ 2	15·9	+ 1·1	59	+20	54	+19	883	+ 44	34	+ 2
	5. ENGLAND, SOUTH	1	4	3 less	93	- 1	15·2	+ 0·7	64	+17	59	+16	1068	+ 48	39	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	7	3 less	128	+13	27·4	+ 0·8	28	- 8	25	- 8	866	- 22	32	0
	7. ENGLAND, N.W.	2	5	4 less	107	+ 1	17·5	+ 0·6	43	+ 2	39	+ 2	961	+ 55	35	+ 2
	8. ENGLAND, S.W.	3	3	6 less	112	+ 5	23·2	+ 2·8	42	- 2	39	- 2	1059	- 2	39	0
	9. IRELAND, NORTH	6	9	1 more	137	+13	19·7	+ 1·6	24	- 5	21	- 6	867	+ 35	32	+ 1
	10. IRELAND, SOUTH	2	10	3 more	120	+ 7	22·4	+ 1·8	37	+ 4	34	+ 4	901	- 33	33	- 1
	— CHANNEL ISLANDS	2	less than ½	6 less	120	+ 7	18·7	+ 2·4	62	+20	58	+18	1180	+ 49	46	+ 1

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week was again dull and rather rainy in the north-west of Ireland and over Scotland. Elsewhere it continued very fine and dry until Friday, when severe thunderstorms occurred over England and some parts of Ireland; very heavy rains and thunderstorms were experienced also at many of the Irish stations on Saturday.

Temperature was still higher over the greater part of England than during the preceding week, and again exceeded the average in all districts. In England E. the excess was as much as 9°, and in the Midland Counties and England S. 8°, while it ranged from 6° in England N.E. and S.W. to 2° in Scotland N. and E. The highest of the maxima were registered on the 25th in most parts of England, but on irregular dates over Ireland and Scotland. They were as high as 92° in England E. (at Cambridge), 91° in England S. (in London), and 89° in the Midland Counties; they varied from 84° in England N.E. and S.W. and the Channel Islands to 73° in Scotland W., and 72° in Scotland N. The lowest of the minima were recorded, as a rule, on the 27th, and ranged from 60° in the Channel Islands and 55° in England S. to 41° in Ireland N. The minima over England were unusually high, especially during the earlier part of the week.

Rainfall exceeded the mean in Scotland E. and over Ireland, but was less than it elsewhere. During the early morning of Saturday the fall over Ireland was very heavy, amounting to 2·14 ins. at Phœnix Park (Dublin), 1·87 ins. in Dublin City, and to more than an inch at some other stations. At Killarney the fall, which occurred later in the day, amounted to 2·23 ins.

Bright Sunshine was considerably in excess generally, but in defect over Scotland and the north of Ireland. The percentage of the possible duration ranged from 62 in England E. and 59 in England S. to 36 in England N.E., 34 in Ireland S., and between 16 and 25 in Scotland.

Barometer and Wind—During the greater part of this period the distribution of pressure was mainly anticyclonic in the more southern districts, with light or moderate winds varying between South-West and North-West. The northern parts of the Kingdom, however, were affected by depressions from the Atlantic. Towards the end of the week a small depression appeared over Spain, and travelling northwards, caused the wind (at first over England and Ireland, and afterwards in Scotland) to shift to the Eastward, and produced the thunderstorms noticed above

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 175 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	46	58·7	51·1	54·6	+ 1·3	88	0	6	0·64	+ 0·02	*	*	*	*
	Stornoway	64	50	61·3	51·0	55·8	+ 1.1	97	0	6	0·61	- 0·12	18·6	- 11·4	16	- 10
	Wick	65	50	62·1	52·4	56·9	+ 1·7	104	0	7	0·82	+ 0·22	*	*	*	*
	Lairg §	72	50	66·5	51·8	58·6	+ 4·6	116	0	6	0·56	- 0·20	*	*	*	*
	Glencarron §	66	49	62·6	51·4	56·6	+ 2·1	102	0	7	1·13	- 0·34	*	*	*	*
	Fort Augustus §	70	52	65·4	54·0	59·3	+ 3·0	121	0	4	0·71	- 0·06	20·3	+ 2·6	18	+ 2
	Fort William §	68	50	64·5	54·1	58·9	+ 2·4	118	0	4	0·79	- 0·49	21·2	- 4·3	18	- 3
1. SCOTLAND, E.	Nairn	68	49	64·0	52·1	57·6	+ 0·1	109	0	4	0·50	- 0·22	*	*	*	*
	Aberdeen	66	53	63·1	54·0	58·2	+ 1·4	113	0	6	1·48	+ 0·72	10·9	- 24·0	9	- 21
	Braemar §	68	43	63·6	50·5	56·6	+ 2·1	102	0	4	0·99	+ 0·31	17·0†	- 12·8†	15†	- 11†
	Ochtertyre §												*	*	*	*
	Leith	74	51	70.1	55·0	62·0	+ 3·5	140	0	3	0·49	- 0·21	*	*	*	*
	Marchmont §	74	46	68·4	54·0	60·7	+ 4·2	131	0	4	0·54	- 0·33	34·3	- 1·3	30	- 2
2. ENGLAND, N.E.	Alnwick Castle	77	51	73·4	57·5	64·9	+ 7·9	160	0	2	0·47	- 0·25	*	*	*	*
	Durham	78	54	72·5	57·7	64·6	+ 5·9	158	0	3	0·28	- 0·50	35·4	+ 0·4	31	0
	Shields	79	55	69·6	57·7	63·2	+ 5·3	148	0	2	0·55	- 0·12	*	*	*	*
	Scarborough M	81	52	71·1	55·9	63·0	+ 3·8	147	0	3	0·46	- 0·26	*	*	*	*
	Spurn Head	84	58	74·3	61·1	67·2	+ 7·4	176	0	1	0·09	- 0·36	*	*	*	*
3. ENGLAND, E.	Hillington M	91	56	81·3	59·4	69·6	+ 9·0	193	0	1	0·09	- 0·66	64·5	+ 22·5	59	+ 21
	Yarmouth	82	59	73·6	62·1	67·5	+ 6·8	179	0	1	0·08	- 0·60	*	*	*	*
	Geldeston	86	58	78·6	60·3	68·8	+ 8·2	188	0	1	0·22	- 0·42	64·2	+ 19·1	59	+ 18
	Cambridge	92	56	84·1	60.0	71·2	+ 9·7	204	0	1	0·29	- 0·33	67·8	+ 25·3	62	+ 24
	Felixstowe	82	61	76·4	63·2	69·3	+ 8·7	191	0	1	0·24	- 0·43	72·3†	?	66†	?
	Rothamsted	89	54	80·5	58·8	68·9	+ 8·4	188	0	1	0·46	?	64·3	+ 19·3	59	+ 17
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	84	50	78·7	58·1	67·7	+ 7·4	180	0	1	0·24	- 0·31	*	*	*	*
	Loughborough	86	53	80·1	59·9	69·3	+ 7·9	191	0	1	0·24	- 0·33	*	*	*	*
	Cheadle M	80	53	74·2	57·9	65·5	+ 8·0	165	0	2	0·94	+ 0·18	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	85	56	77·7	59·5	68·0	+ 8·2	182	0	1	0·59	- 0·08	55·9	?	51	?
	Churchstoke M	83	50	76·3	55·1	65·0	+ 7·1	161	0	1	0·74	+ 0·10	58·5	+ 20·9	53	+ 19
	Hereford (Belmont) M	83	55	77·8	58·1	67·3	+ 7·1	177	0	1	0·88	+ 0·30	*	*	*	*
	Cirencester	87	55	80·0	57·9	68·2	+ 9·1	183	0	1	0·37	- 0·40	58·8	+ 17·8	54	+ 17
	Oxford	89	58	81·3	60·4	70·1	+ 9·2	197	0	1	0·22	- 0·42	65·0	+ 23·0	60	+ 21
5. ENGLAND, S.	London	91	60	82·3	62·4	71·7	+ 9·4	208	0	1	0·62	+ 0·02	57·3†	+ 18·5†	53†	+ 17†
	Swarraton (Alresford) M	87	55	80·0	58·3	68·4	+ 7·2	185	0	1	0·16	?	*	*	*	*
	Dungeness	77	62	73.3	62·6	67·6	+ 5·9	179	0	2	0·22	- 0·28	56·0	?	52	?
	Hastings (St. Leonards)	78	60	74·5	62·3	68·0	+ 6·9	182	0	1	0·86	+ 0·23	60·7	+ 11·2	56	+ 11
	Southampton	89	60	81·8	61·3	70·8	+ 8·8	202	0	1	0·21	- 0·49	62·5	+ 16·5	58	+ 15
	Portland Bill	74	58	70·1	59·1	64·2	+ 5·1	155	0	2	0·16	?		*	*	*
	Shaftesbury M	86	57	78·2	59·4	68·2	+ 9·6	183	0	1	0·25	- 0·47	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	70	48	65·6	53·1	58·9	+ 2·0	118	0	6	0·95	- 0·31	*	*	*	*
	Glasgow	71	50	66·3	55·6	60·6	+ 3·4	130	0	4	0·38	- 0·49	18·4	- 11·4	16	- 11
	Glenlee §	73	45	68·1	56·0	61·6	+ 4·1	137	0	6	0·54	- 0·53	*	*	*	*
	Douglas (Isle of Man)	69	52	68·0	56·9	62·1	+ 4·9	141	0	3	0·82	+ 0·04	37·6	- 4·9	34	- 4
7. ENGLAND, N.W.	Newton Reigny	76	53	73·3	56·7	64·4	+ 5·4	157	0	3	0·39	?	36·8	?	33	?
	Stonyhurst	74	49	69·6	57·9	63·3	+ 4·4	149	0	3	0·57	- 0·55	31·9	- 4·1	29	- 3
	Blackpool M	73	49	69·1	57·9	63·1	+ 3·5	148	0	2	0·47	- 0·34	36·6	- 1·9	33	- 1
	Manchester (Prestwich)	79	49	73·6	58·4	65·5	+ 6·6	165	0	2	0·61	- 0·34	?41·9	?	?38	?
	Liverpool Obsy. (Bidston)	74	57	70·1	59·4	64·4	+ 4·6	157	0	3	0·35	- 0·42	48·6	?	44	?
	Llandudno M	77	52	71·7	59·8	65·3	+ 4·8	163	0	2	0·25	- 0·40	48·1	+ 12·1	44	+ 11
	Holyhead	68	56	65·9	57·4	61·4	+ 2·2	136	0	2	0·50	- 0·11	*	*	*	*
8. ENGLAND, S.W.	Llandovery	82	53	78·0	57·4	67·0	+ 7·9	175	0	4	1·09	+ 0·07	*	*	*	*
	Pembroke	71	56	66·0	58·4	61·9	+ 3·2	139	0	4	0·08	- 0·59	22·9	- 20·1	21	- 18
	Clifton	84	60	78·4	61·4	69·3	+ 8·7	191	0	1	0·14	- 0·73	*	*	*	*
	Arlington (N. Devon)	80	53	73·3	57·1	64·6	+ 6·1	158	0	3	0·40	- 0·83	*	*	*	*
	Cullompton M	82	54	79·2	57·9	67·8	+ 7·1	181	0	2	0·11	- 0·59	47·1	+ 8·7	44	+ 8
	Falmouth	75	57	71·8	59·8	65·4	+ 4·8	164	0	3	0·06	- 0·73	45·9	- 0·6	43	- 1
	Plymouth	78	58	73·8	59·8	66·3	+ 4·9	170	0	1	0·16	- 0·60	49·9	+ 7·1	47	+ 7
9. IRELAND, N.	Malin Head	67	54	62·1	55·9	58·8	+ 1·6	118	0	5	0·32	?	*	*	*	*
	Londonderry	74	50	67·2	55·7	61·1	+ 2·8	134	0	6	1·31	+ 0·39	*	*	*	*
	Edenfel (Omagh)	73	48	67·7	54·7	60·8	+ 4·1	132	0	4	1·48	+ 0·58	*	*	*	*
	Blacksod Point	71	51	64·4	55·6	59·7	+ 1·8	124	0	7	0·65	?	*	*	*	*
	Markree Castle	73	41	68·5	52·3	59·8	+ 2·7	125	0	7	0·23	- 0·72	21·1	- 5·9	19	- 5
	Armagh	74	45	70·2	55·2	62·2	+ 4·5	141	0	5	1·33	+ 0·59	26·0	- 3·0	23	- 3
	Donaghadee	73	50	67·4	54·0	60·2	+ 2·7	127	0	6	1·24	+ 0·51	*	*	*	*
10. IRELAND, S.	Dublin	78	54	72·9	59·8	65·9	+ 6·2	167	0	3	2·35	+ 1·65	39·7	+ 4·7	36	+ 4
	Parsonstown	76	48	72·4	56·6	64·0	+ 5·7	154	0	3	0·47	- 0·34	29·6	- 1.1	27	- 1
	Kilkenny	77	49	73·6	57·9	65·2	+ 6·6	162	0	3	1·32	+ 0·68	*	*	*	*
	Roche's Point	70	54	69·1	58·3	63·3	+ 3·6	149	0	1	0·15	- 0·67	*	*	*	*
	Valencia	72	52	68·1	56·9	62·1	+ 3·4	141	0	3	0·26	- 0·72	42·6	+ 9·3	39	+ 9
	Killarney	76	49	71·7	55·5	63·0	+ 4·6	147	0	2	2·24	?	*	*	*	*
	Foynes	74	53	66·5	58·4	62·2	+ 4·3	141	0	2	0·47	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	72	60	69·6	60·4	64·7	+ 4·0	159	0	2	0·06	- 0·59	40·8	?	38	?
	Jersey	84	60	77·4	62·4	69·4	+ 6·8	192	0	1	0·01	- 0·64	77·4	+ 25·5	72	+ 23

Stations marked M are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

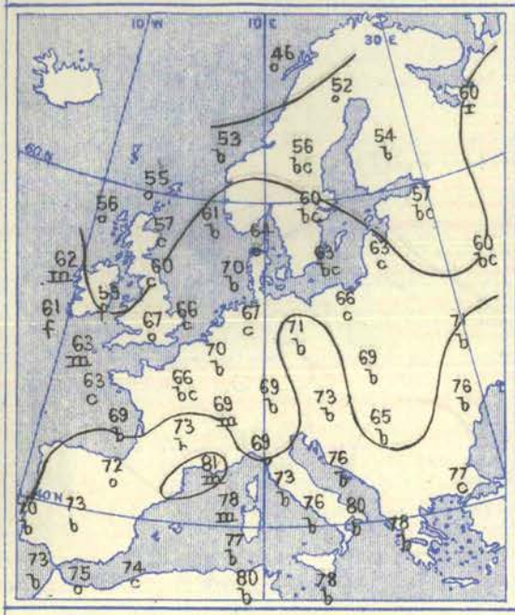
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 22nd July.

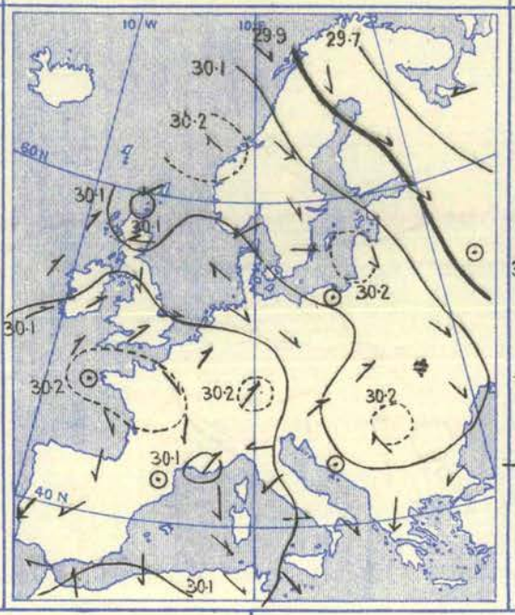
Temperature and Weather.

8 a.m.

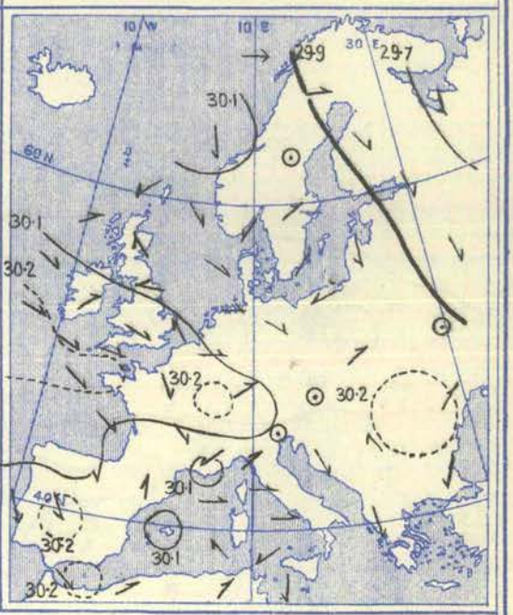


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the Continent generally, but dull or cloudy over our Islands, with fog or mist at our south-western and western stations. Thunderstorms reported later from Germany and the south-east of France, and slight rain from our northern, north-western, and western stations.

Temperature changed very irregularly. Morning readings highest, 84° at Barcelona, 81° at Cape Sicié and Palma, 80° at Brindisi, and 79° at Aumale; above 70° over central and western Europe generally. Lowest 46° at Bodö, 52° at Haparanda, 54° at Kuopio, 55° at Sumburgh Head, and Donaghadee, and 56° at Stornoway. Rising during day to 80° in London, 84° at Berlin and Nice, 85° at Paris, and reaching 101° at Madrid, 97° at Perpignan, and 93° at Florence, Rome, and Tunis.

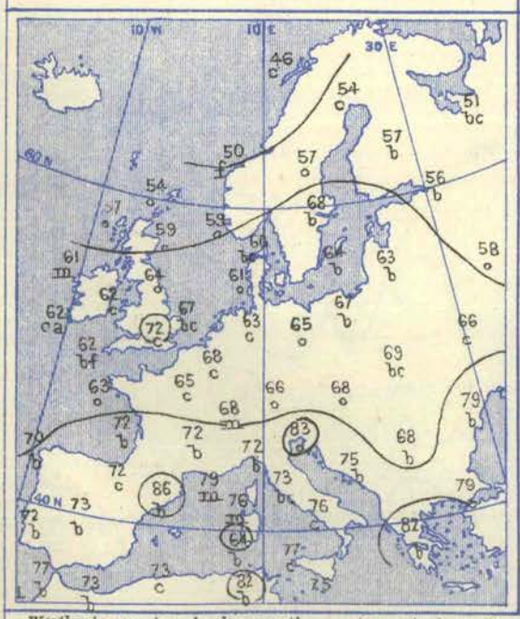
Wind light and variable over our Islands and France, and also over southern and central Europe generally, but moderate to strong from the North and North-West over Scandinavia and northern Europe. Winds becoming Westerly over the greater part of our Islands later, but no great change occurring elsewhere.

Barometer highest 30·2 ins. and upwards in a small anticyclone over the west of Norway, and also in three small systems lying over the north-west of France, central and south-eastern Europe. Lowest 29·7 ins. and less in a large depression over northern and eastern Russia; and 30·1 ins. and less in two very slight disturbances lying over Caithness and the extreme south of France. No decided change taking place later in general distribution of pressure.

Monday, 23rd July.

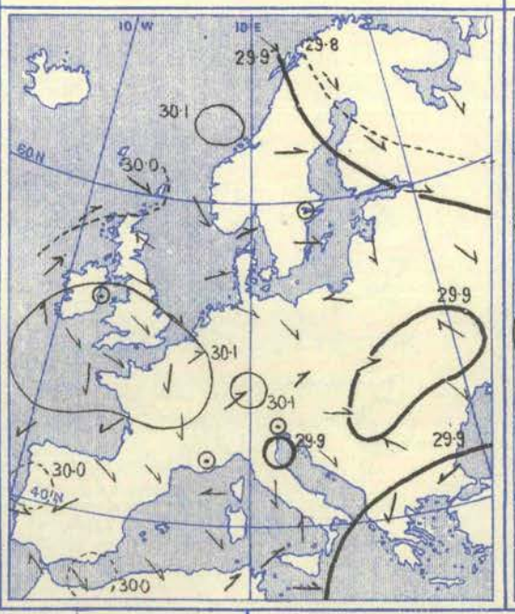
Temperature and Weather.

8 a.m.

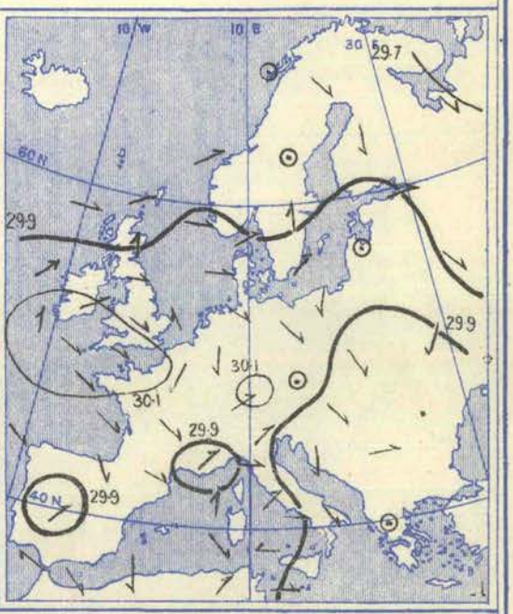


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy over the greater part of our Islands, with rain in the south of Ireland and fog at the mouths of the English and Bristol Channels; fine in the east of England. Fine over Finland, the Baltic, and the south of Sweden, as well as over southern Europe generally; cloudy in most other parts of the Continent. Sky clearing later over nearly the whole of England, but slight rain falling on our western and extreme northern coasts, and larger quantities over Germany and the east and south of France. Thunderstorms or thunder only occurring over the south of France and also at Cuxhaven.

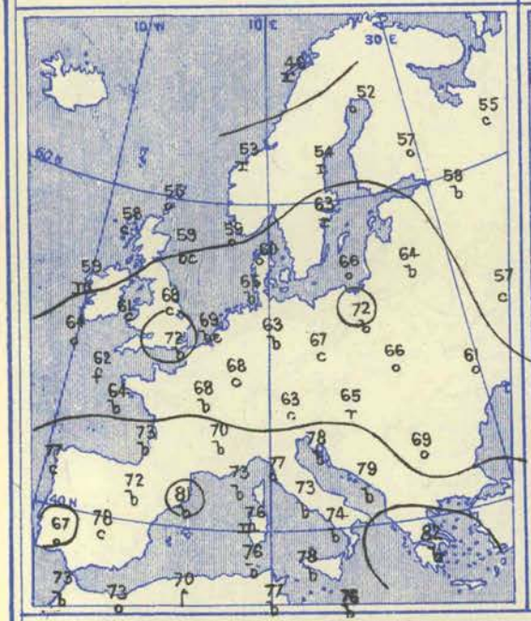
Temperature risen in the northern and north-western countries, fallen elsewhere. Morning readings highest, 86° at Barcelona, 83° at Trieste, and 82° at Patras and La Calle, above 75° in many parts of southern Europe, and above 70° in the south-east of England. Lowest 46° at Bodö, 50° at Christiansund, 51° at Archangel, and 54° at Ulesborg and Sumburgh Head. Rising during day to 80° and upwards over the inland parts of England, and to 83° at Oxford; exceeding 90° at several stations in Spain, Italy and the south of France, and reaching 97° at Cette and 103° at Madrid.

Wind light from the Southward in Ireland, and from the Westward or North-Westward over Great Britain and the neighbouring parts of the Continent; Northerly and North-Easterly in France, variable over Spain and Italy; Westerly or North-Westerly over northern and eastern Europe as a whole, but South-Westerly in Denmark and the south of Sweden. Shifting later to the Westward over our own extreme north-west coasts, and to the North-Westward in the west of France; no important change occurring elsewhere.

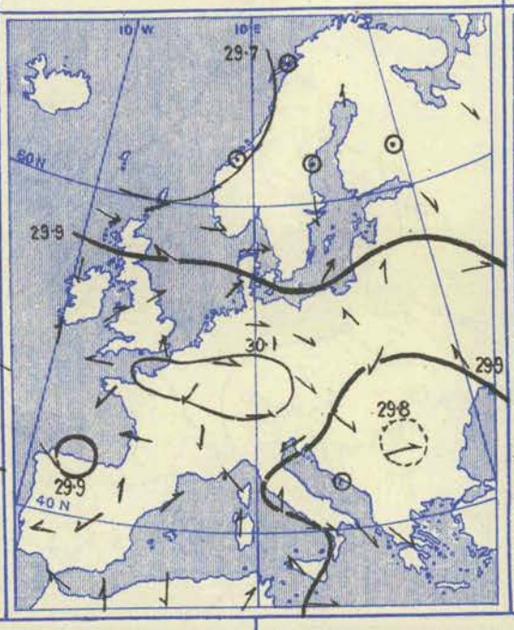
Barometer highest, 30·1 ins. and upwards in an anticyclone lying over the greater part of Ireland, England, and France. Lowest 29·8 ins. and less in a large shallow depression over northern Russia; 29·9 ins. and less over the greater part of south-eastern Europe. New depression appearing later off our own extreme northern coasts, where barometer fell rather decidedly.

Tuesday, 24th July.

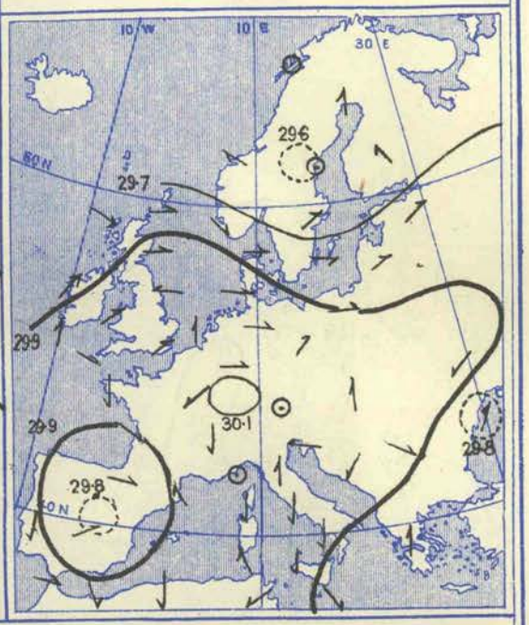
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western and southern Europe as a whole, but dull on our own western and extreme northern coasts, and foggy at the mouths of the English, Bristol, and St. George's Channels. Cloudy in most of the northern and central countries, with rain at several of the Scandinavian stations, and also at Cracow and Vienna. Rain falling later over the whole of Scotland and the north of Ireland, distant thunder heard at Aberdeen at night.

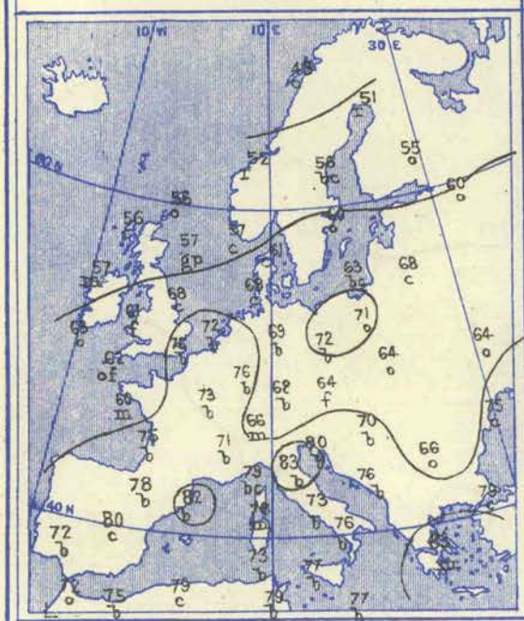
Temperature risen over our Islands and neighbouring parts of the Continent, fallen elsewhere. Morning readings highest, 82° at Brindisi and Athens, and 81° at Perpignan; above 75° in many parts of southern Europe, and above 70° at most of the English stations. Lowest, 46° at Bodö, 52° at Uleaborg, 53° at Christiansund, and 54° at Hernosand and Helsingfors. Rising during day to 85° and upwards over the central parts of England and France, and exceeding 90° in many parts of southern Europe, the highest reading of all being 106° at Madrid; remaining below 65° on our own extreme north and north-west coasts.

Wind light to moderate from the South-West in most parts of Great Britain and also in Denmark and the south of Scandinavia, but North-Westerly on our own extreme north and north-west coasts; calm in the west of Norway. Light from East or North-East over France, the Spanish Peninsula, and the western parts of the English Channel; Southerly in the south of Ireland; North-Westerly in eastern Germany and Austria; variable in Italy and Greece. Subsequently shifting to North-West over the Bay of Biscay and the mouth of the Channel.

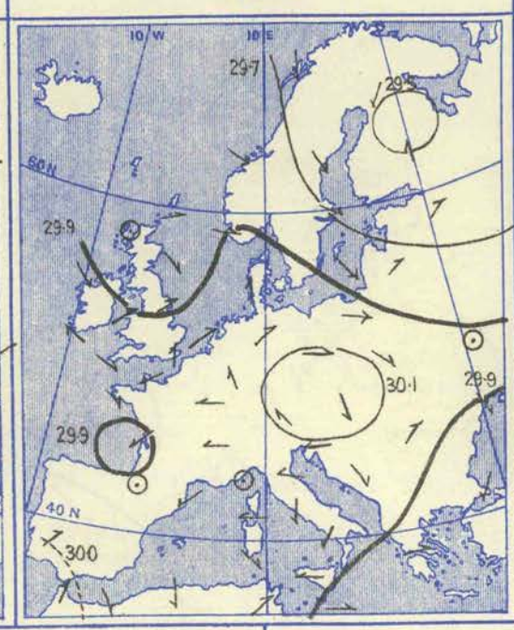
Barometer highest, 30·0 ins. to 30·1 ins. and upwards in an anticyclone lying over Germany, the Netherlands, the greater part of England and France, and the south of Ireland. Lowest, 29·7 ins. and less in a large shallow depression off the west of Norway, 29·8 ins. and less in a shallow system over eastern Austria. Anticyclone moving slowly eastwards during day; depression off the Norwegian coasts passing eastwards across the north of Scandinavia.

Wednesday, 25th July.

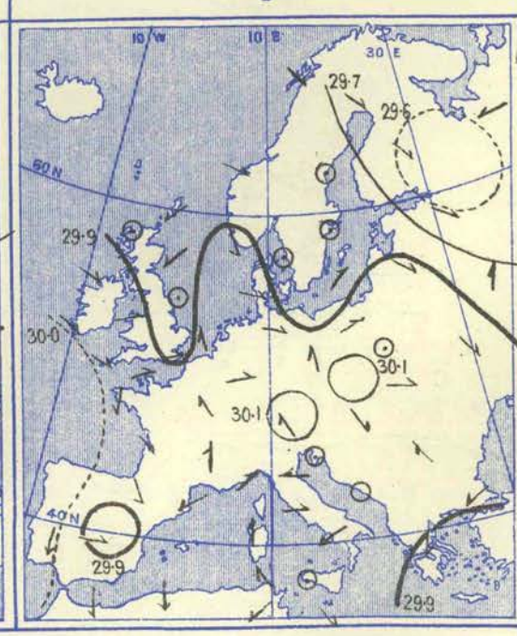
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England and the greater part of the Continent, but cloudy and dull over Russia and the Baltic, with rain at Uleaborg; rain was also falling at Christiansund. Dull in Ireland and Scotland, with passing showers at Aberdeen and Malin Head. Rain falling later in the northern parts of Ireland and Scotland, thunder occurring at Portland Bill, and lightning seen at Shields and Biarritz.

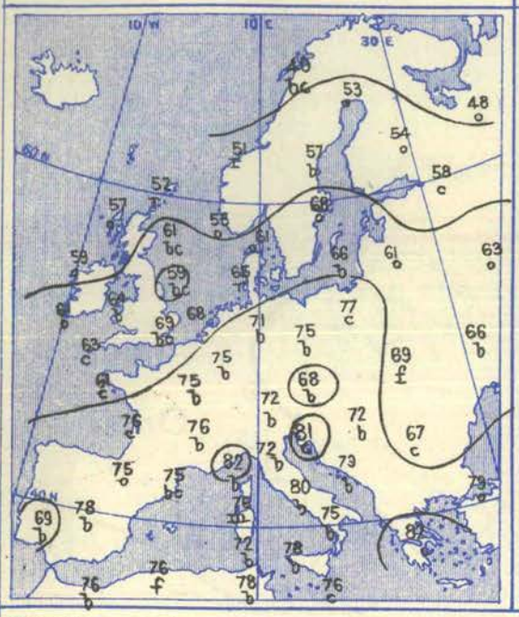
Temperature fallen in the northern parts of the United Kingdom, as well as in many parts of Scandinavia and northern Russia; risen elsewhere. Morning readings highest, 83° at Leghorn and Athens, 82° at Barcelona, and 80° at Trieste, above 75° in many parts of southern Europe and also in London, and at Brussels and the Helder. Lowest, 48° at Bodö, 51° at Uleaborg, 52° at Christiansund, and 55° at Kuopio. Rising during day to 85° and upwards over the inland parts of England, and to 91° in London and at Hillington, exceeding 90° also in many parts of France and southern Europe, the highest readings of all being 107° at Madrid and 99° at Limoges.

Wind rather variable in our Islands, but chiefly South-Westerly in the more central districts, Westerly or North-Westerly over Scandinavia and the Baltic, and strong in places, with a gale at Wisby; light from the South-Westward over northern Russia. Easterly or North-Easterly in France, but variable over central and southern Europe as a whole. Westerly or North-Westerly breezes setting in later on all our own western and southern coasts.

Barometer highest, 30·1 ins. and upwards over south Germany, 30·0 ins. and upwards in an anticyclone lying over the whole of Germany, Austria, northern Italy, and the east and south of France. Lowest, 29·5 ins. and less in a depression moving eastwards across Lapland, 29·9 ins. and less in a shallow disturbance over Scotland. Latter disturbance also moving eastwards during day, but small secondary depression forming over England.

Thursday, 26th July.

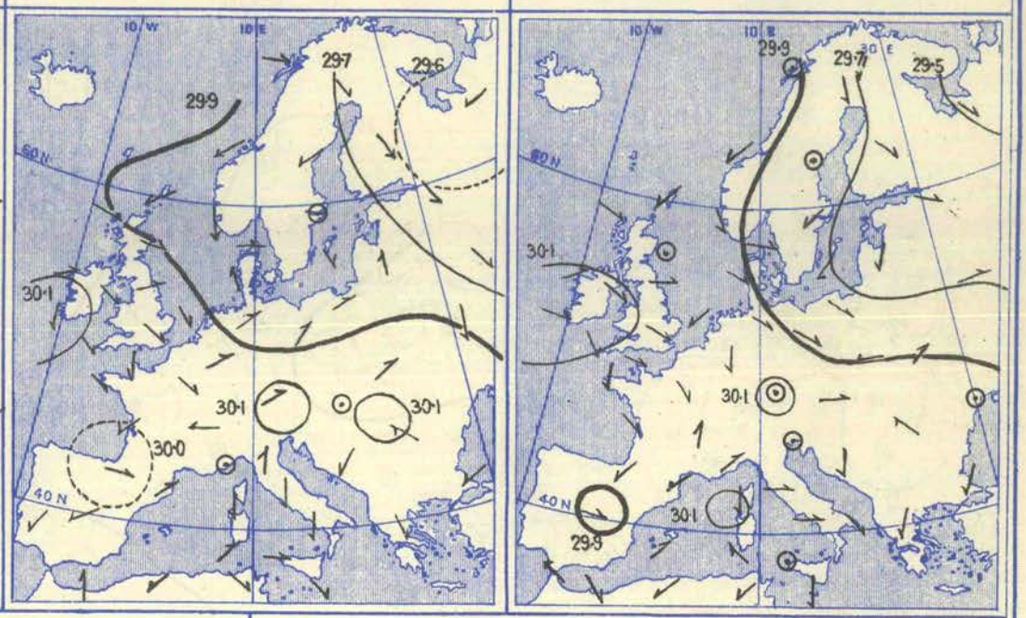
Temperature and Weather. 8 a.m.



Weather in morning fine over the greater part of our Islands and the Continent, but dull on our own extreme western and northern coasts, with rain at Sumburgh Head. Cloudy also at several stations in Scandinavia and northern Russia, with rain at Christiansund, Fanö, and Memel. A little rain falling later in the northern parts of Ireland and Scotland, and also in Sweden; thunder and lightning occurring at Jersey at night, and lightning seen in London.

Temperature fallen over England and Ireland and also in Spain, risen in most other countries. Morning readings highest, 82° at Nice, Toulon and Athens, and 81° at Trieste and Patras; above 75° in many parts of southern Europe, and also in some parts of northern Germany. Lowest, 46° at Bodo, 48° at Archangel, 51° at Christiansund, and 52° at Sumburgh Head. Rising during day to 75° and upwards over the inland parts of England, and to 80° in London; exceeding 90° in several parts of central and southern Europe, and reaching 98° at Limoges and Madrid.

Barometer and Wind. 8 a.m. and 6 p.m.

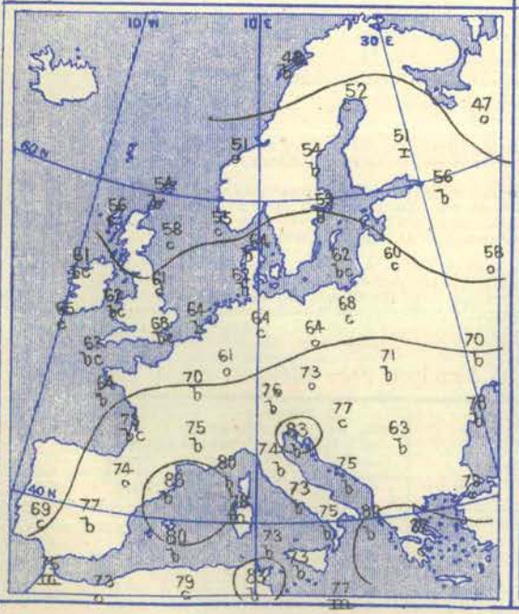


Wind light to moderate from West or North-West over our Islands and the adjacent parts of the Continent; calm or variable over the central and southern parts of France; North-Easterly over the Bay of Biscay and the Spanish Peninsula. North-Easterly over the central parts of Scandinavia, North-Westerly over Russia and the south of Scandinavia; Southerly or South-Westerly in Germany, calm in Austria. No important change occurring during day.

Barometer, highest 30·0 to 30·1 ins. and upwards in an anticyclone lying over the greater part of Ireland and England, and nearly the whole of western, central, and southern Europe. Lowest 29·6 ins. and less in a depression over northern Russia. No important change occurring over Western Europe during day, but a shallow depression appearing over Spain in evening.

Friday, 27th July.

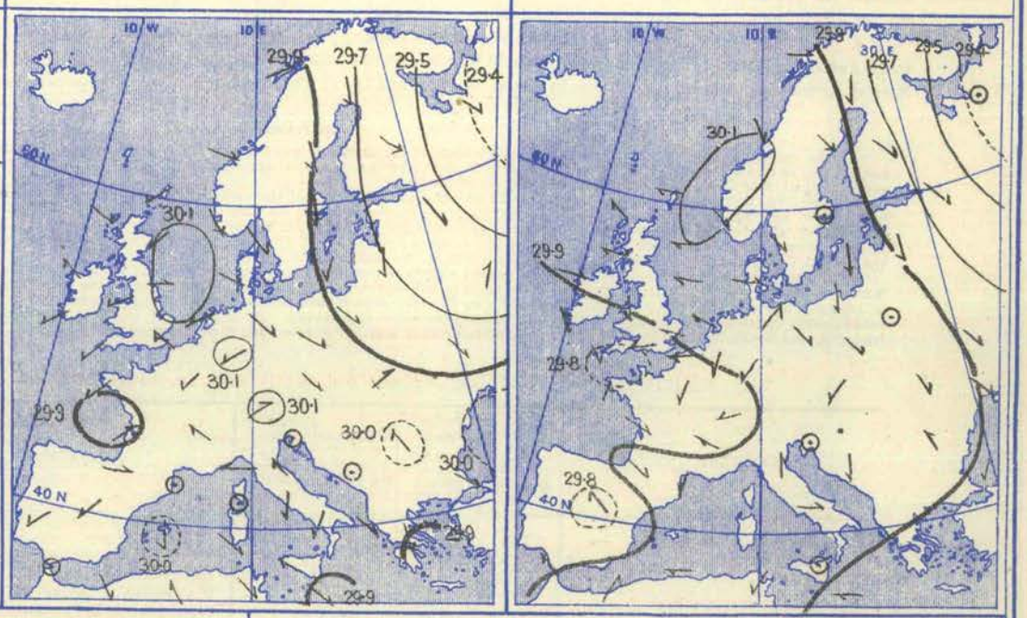
Temperature and Weather. 8 a.m.



Weather in morning fine over the greater part of our Islands and the Continent, but dull at some of the southern French stations, and also over northern Russia, with rain at Kuopio. Thunderstorms occurring later in many parts of England, Ireland, and France, with heavy rain in places.

Temperature fallen generally, but risen in Ireland and the north of France. Morning readings highest, 84° at Toulon, and 83° at Barcelona, Trieste, and La Calle; above 75° in many parts of southern Europe. Lowest, 47° at Archangel, 48° at Bodö, and 51° at Christiansund and Kuopio. Rising during day to 80° and upwards at several of the English stations, and to 84° at Jersey; reaching 86° at Frankfürt and Munich, and 96° at Lyons.

Barometer and Wind. 8 a.m. and 6 p.m.

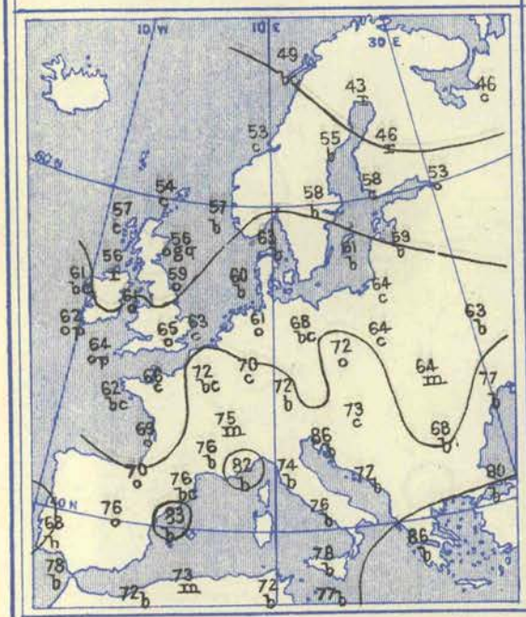


Wind light to moderate from the Eastward or North-Eastward over Ireland, England, the Netherlands and the north of France; South-Westerly or Westerly in the south-west of France; calm in the extreme south of that country. Northerly or North-Westerly over Scandinavia, Denmark, Germany, and northern Russia; variable over Austria and Italy; North-Easterly over the Spanish Peninsula. Easterly wind freshening considerably over the English Channel later. No decided change occurring elsewhere.

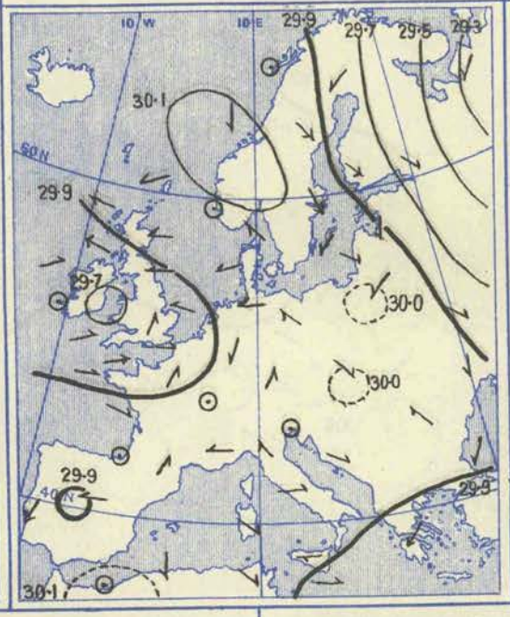
Barometer highest, 30·1 ins. and upwards in several distinct areas lying over various parts of our Islands, the North Sea, the Netherlands and Germany. Lowest, 29·4 ins. and less in a depression over northern Russia; 29·9 ins. and less in a shallow disturbance over the Bay of Biscay, and also in a larger area over the eastern part of the Mediterranean. Depression over the Bay of Biscay subsequently moving northwards, and small shallow secondaries advancing in a similar direction over France and England.

Saturday, 28th July.

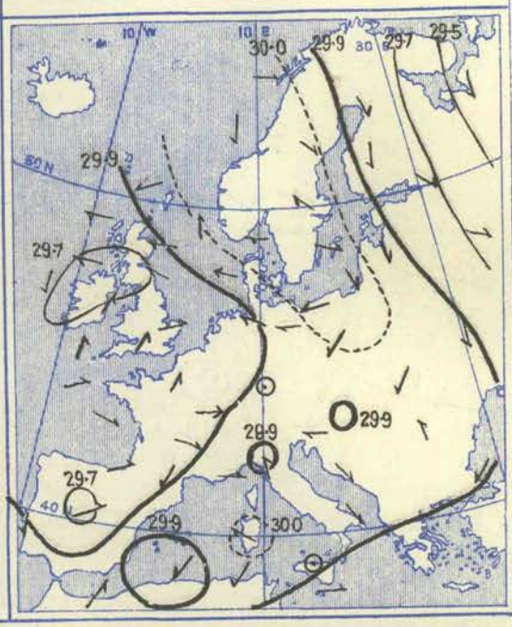
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over our Islands generally, with rain in Ireland and the north of England, and passing showers at Scilly. Fine at most of the Continental stations, but dull in the south-west of France as well as in the northern parts of Sweden and Russia, with rain at Haparanda, Uleaborg and Kuopio. Rain falling during day in most parts of western and central Europe, heavily at Frankfürt; thunderstorms occurring at Lyons and Biarritz, and thunder only at Fanö.

Temperature fallen in our Islands, changed rather irregularly elsewhere. Morning readings highest, 86° at Trieste, Athens, and Patras, and 83° at Toulon and Barcelona; above 75° in many parts of southern Europe. Lowest, 43° at Haparanda, 46° at Archangel and Kuopio and 49° at Bodö; lowest in our Islands, 54° at Sumburgh Head. Rising during day to 75° and upwards over the eastern and central parts of England and to 78° at Loughborough, exceeding 85° in Belgium and South Germany, and exceeding 90° in the south of France, the highest reading of all being 97° at Lyons.

Wind moderate from the Westward or South-Westward in the south of England and the north of France; calm in the south of Ireland; Easterly or South-Easterly over all the more northern and eastern parts of the United Kingdom, and strong in force on the east coast of England. Northerly or North-Westerly over Russia, Scandinavia, and the Baltic; variable over central and southern Europe generally. South-Westerly breezes setting in later over Ireland and the north of England; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone lying over the southern parts of Norway. Lowest, 29·4 ins. and less in a depression over northern Russia, 29·7 ins. and less in another disturbance with its centre over Cardigan Bay, 29·8 ins. and less in an area over the eastern parts of the Mediterranean. Depression over our west coasts moving steadily northwards during day; barometer falling in Scotland, but rising over Ireland and England.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus ⟶⟶⟶ = a heavy gale ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ——→ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of last week the distribution of barometrical pressure over western Europe was mainly anticyclonic, the highest readings being found respectively in two areas—one lying over the north of France, and the other over the west of Norway. The winds were consequently light and rather variable, and the weather mostly fine and warm, especially in the southern countries.

On the 23rd, however, the northern area broke up, and in the course of the two following days a large depression moved eastwards across the northern parts of Scandinavia and Russia, while a shallow secondary system passed in a similar direction across Scotland and the North Sea. The progress of these disturbances was attended by rain over the northern parts of our area and the Continent, and in the rear of the main system the wind blew freshly from North-West at many of the Scandinavian stations. In other parts of Europe the weather remained fine, dry, and very warm, maximum temperatures of 90° and upwards being recorded not only in the southern countries, but in some parts of England also on the 25th.

As the northern depression of the 24th—25th passed away a new anticyclone advanced over our Islands from the Atlantic, and eventually travelled on to the west of Norway. During the latter part of the 26th, however, a small depression appeared over Spain, and on the following day this disturbance moved northwards over the Bay of Biscay, while secondary systems were developed over France. These disturbances afterwards advanced over our Islands, and occasioned thunderstorms and heavy rain in many districts, with a rather decided fall of temperature over England. By the close of the week the principal disturbance was moving northwards over the Irish Sea, and South-Westerly or Westerly winds and improving weather were setting in over our southern districts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 176.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	18·5	?	16	?	BRIGHTON	66·5	+18·0	62	+17
STRATHPEFFER SPA	11·5	−16·0	10	−13	WORTHING	68·5	?	63	?
EDINBURGH	25·5	− 5·8	22	− 6	BOGNOR	65·2*	?	60*	?
MORPETH	40·0	?	35	?	WATERGATE (Emsworth)	64·5	?	60	?
NEWCASTLE-ON-TYNE	33·8	?	30	?	WESTBOURNE (Emsworth)	65·3*	+18·1	60*	+16
OSWALDKIRK (Yorkshire)	54·0	+19·9	49	+19	VENTNOR HOSPITAL	71·4	?	66	?
YORK					SOUTHPORT	44·2	?	40	?
LOWESTOFT	68·7	?	63	?	RHYL	45·3*	?	41*	?
HOLLESLEY BAY	72·6	?	67	?	COLWYN BAY	46·2	?	42	?
SHEFFIELD	61·4	?	56	?	ABERDOVEY	46·8*	?	43*	?
WORKSOP	51·3	+15·8	47	+15	TENBY	31·0	−11·9	28	−12
THURCASTON (Leicestershire)	58·9	+22·1	54	+21	NEWQUAY	33·3	−12·5	31	−12
MARGATE	65·9	+22·7	61	+21	TORQUAY	61·5	+15·7	57	+15
EASTBOURNE	64·4	+15·4	60	+15	GUERNSEY	68·1*	+14·9	64*	+14

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 31.] *Third Series* WEEK ENDING SATURDAY, AUGUST 4TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 182.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	72	39	60·9	49·2	54·7	0 (average)	89	+ 3	0	0	1196	+122	639	+ 16
	1. SCOTLAND, EAST	71	39	62·9	50·0	56·0	1 below	98	− 5	0	0	1340	+ 8	697	+ 48
	2. ENGLAND, N.E.	76	48	66·9	54·6	60·4	2 above	129	+14	0	0	1528	+138	518	− 31
	3. ENGLAND, EAST	77	50	69·2	54·3	61·3	1 above	135	+ 8	0	0	1805	+156	530	− 87
	4. MIDLAND COUNTIES	76	48	68·3	53·2	60·3	1 above	128	+ 7	0	0	1749	+ 80	567	− 52
	5. ENGLAND, SOUTH	78	51	68·6	56·0	61·9	1 above	139	+ 6	0	0	1901	+116	389	− 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	67	43	62·8	51·9	57·0	0 (average)	105	− 1	0	0	1499	+ 93	506	+ 44
	7. ENGLAND, N.W.	72	49	64·9	55·0	59·7	0 (average)	124	+ 8	0	0	1604	+ 98	452	− 7
	8. ENGLAND, S.W.	78	48	66·9	54·6	60·4	0 (average)	129	+ 8	0	0	1784	+ 89	336	− 25
	9. IRELAND, NORTH	69	47	63·1	52·9	57·8	0 (average)	111	+ 5	0	0	1541	+ 37	416	+ 21
	10. IRELAND, SOUTH	73	48	65·1	53·9	59·2	0 (average)	120	+ 5	0	0	1786	+ 70	373	+ 74
	—CHANNEL ISLANDS	71	53	67·9	58·2	62·8	1 above	146	+13	0	0	2162	+267	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 182.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10	1 more	153	+14	26·6	+ 0·4	28	+ 3	24	+ 2	743	− 12	26	0
	1. SCOTLAND, EAST	5	7	1 less	126	+13	15·6	+ 1·5	35	+ 3	32	+ 3	781	− 90	27	− 3
	2. ENGLAND, N.E.	4	18	11 more	108	+ 2	16·7	+ 2·7	42	+ 4	38	+ 5	819	− 48	29	− 1
	3. ENGLAND, EAST	5	11	4 more	111	+ 8	15·2	+ 1·5	45	+ 3	42	+ 3	1115	+ 50	38	+ 2
	4. MIDLAND COUNTIES	5	14	8 more	105	+ 4	17·3	+ 1·8	47	+ 9	44	+ 8	930	+ 53	34	+ 2
	5. ENGLAND, SOUTH	4	7	1 more	97	0	15·9	+ 0·8	52	+ 5	49	+ 5	1120	+ 53	39	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	17	7 more	134	+15	29·1	+ 1·4	40	+ 5	37	+ 5	906	− 17	32	0
	7. ENGLAND, N.W.	6	23	14 more	113	+ 4	19·8	+ 2·1	43	+ 9	39	+ 7	1004	+ 63	35	+ 2
	8. ENGLAND, S.W.	6	14	5 more	118	+ 8	24·6	+ 3·3	57	+14	54	+13	1116	+ 12	40	+ 1
	9. IRELAND, NORTH	6	13	4 more	143	+15	21·0	+ 2·0	36	+ 8	33	+ 7	903	+ 43	32	+ 2
	10. IRELAND, SOUTH	5	16	8 more	125	+ 8	24·0	+ 2·5	42	+10	39	+ 9	943	− 24	33	− 1
	— CHANNEL ISLANDS	6	4	3 less	126	+10	19·1	+ 2·1	62	+19	60	+18	1242	+ 68	47	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week was very changeable, falls of rain alternating with intervals of clear or partially clear sky. Thunderstorms were rather general at the commencement of the week, and again at the more northern stations towards its close. The rain was unusually heavy in many parts of Ireland on Thursday night and over the north and north-east of England on Friday night.

Temperature did not differ much from the mean, but was slightly above it in most of the English districts. The highest of the maxima occurred, as a rule, on July 31st, and ranged from 78° in England S.W. and S., 77° in England E., to 69° in Ireland N., and 67° in Scotland W. At the close of the week the daily maxima were much lower than those just quoted, and at some of our eastern coast stations were below 60°. The lowest of the minima, which were mostly registered towards the end of the period, ranged from 39° in Scotland N. and E., and 43° in Scotland W., to 51° in England S., and to 53° in the Channel Islands.

Rainfall was less than the mean both in Scotland E. and the Channel Islands, but more in all other districts. The excess was very large over northern and central England and in the south of Ireland, very considerable in most other localities.

Bright Sunshine exceeded the mean in all districts, the percentage of the possible duration ranging from 60 in the Channel Islands, and 54 in England S.W., to 33 in Ireland N., 32 in Scotland E., and 24 in Scotland N.

Barometer and Wind.—During the whole of the period depressions reached our Islands from the Atlantic, and at first the western and northern districts were most affected. By Friday morning, however, a deep and well-formed depression had reached the Irish Sea rapidly from the South-Westward, and still travelling quickly, passed eastwards across England during the day; at the end of the period it lay over the Netherlands. During the passage of this system very strong winds and gales were experienced over Ireland and England, the Westerly and North-Westerly gales being unusually severe for so early a period in the summer

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II.—DATA from which the SUMMARY on page 181 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	62	43	58·0	49·3	53·4	0·0	80	0	5	0·76	+ 0·09	*	*	*	*
	Stornoway	62	49	59·6	51·1	55·1	+ 0.4	92	0	7	0·84	+ 0·07	29·7	+ 1·7	26	+ 1
	Wick Ⓢ	66	45	60·1	49·1	54·3	- 0·9	86	0	6	0·33	- 0·28	*	*	*	*
	Lairg Ⓢ	72	39	65·3	45·0	54·5	+ 0·3	88	0	6	0·46	- 0·29	*	*	*	*
	Glencarron Ⓢ	64	40	59·7	47·5	53·2	- 1·3	78	0	6	1·46	- 0·04	*	*	*	*
	Fort Augustus Ⓢ	65	43	62·3	50·1	55·8	- 0·7	97	0	5	1·29	+ 0·51	20·0	+ 3·3	18	+ 3
	Fort William Ⓢ	64	46	61·3	52·0	56·4	- 0·3	101	0	5	2·16	+ 0·83	*	*	*	*
1. SCOTLAND, E.	Nairn	65	41	62·0	48·4	54·8	- 2·7	90	0	5	0·94	+ 0·21	*	*	*	*
	Aberdeen	67	47	63·0	51·6	57·0	0·0	105	0	2	0·23	- 0·57	37·5	+ 3·4	33	+ 3
	Braemar Ⓢ	64	39	59·1	46·0	52·2	- 2·1	71	0	6	0·86	+ 0·15	18·5†	- 9·2†	17†	- 8†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	71	49	66·6	53·0	59·4	+ 0·5	122	0	5	0·42	- 0·29	*	*	*	*
	Marchmont Ⓢ	67	48	63·6	50·7	56·8	+ 0·3	104	0	5	1·04	+ 0·16	47·8	+13·5	43†	+11
2. ENGLAND, N.E.	Alnwick Castle	72	50	67·3	55·2	60·9	+ 3·8	132	0	5	1·51	+ 0·76	*	*	*	*
	Durham	71	48	65·7	53·4	59·2	+ 0·4	120	0	3	1·59	+ 0·81	43·9	+ 9·7	40	+ 9
	Shields	71	49	65·7	53·7	59·3	+ 1·3	121	0	3	2·50	+ 1·82	*	*	*	*
	Scarborough Ⓜ	73	50	68·1	54·0	60·6	+ 1·4	130	0	5	2·72	+ 2·00	*	*	*	*
	Spurn Head	76	53	67·9	56·6	61·9	+ 2·2	139	0	4	0·73	+ 0·27	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	77	50	70·3	52·7	61·0	+ 0·3	133	0	5	1·29	+ 0·53	40·1	- 1·4	37	- 1
	Yarmouth	70	52	66·0	55·1	60·2	- 0·5	127	0	5	1·39	+ 0·72	*	*	*	*
	Geldeston	74	50	68·3	53·9	60·7	0·0	131	0	5	0·87	+ 0·24	40·7	- 4·0	38	- 4
	Cambridge	77	50	71·8	53.8	62·3	+ 0·8	142	0	5	1·03	+ 0·41	50·7	+ 8·6	47	+ 9
	Felixstowe	76	50	69·7	55·9	62·4	+ 1·5	143	0	2	0·52	?	39·9†	?	37†	?
	Rothamsted	74	50	68·9	54·6	61·3	+ 0·8	135	0	5	1·18	+ 0·53	51·3	+ 6·6	48	+ 6
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	76	50	69·1	53·3	60·7	+ 0·5	131	0	6	1·63	+ 0·99	*	*	*	*
	Loughborough	75	51	69·6	54·3	61·5	+ 0·1	137	0	5	1·10	+ 0·53	*	*	*	*
	Cheadle Ⓜ	71	48	65·6	51·4	58·1	0·0	113	0	5	2·06	+ 1·29	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	73	50	66·9	53·1	59·6	- 0·2	123	0	5	1·24	+ 0·57	44·0	?	41	?
	Churchstoke Ⓜ	73	49	66·9	52·2	59 1	+ 0·9	120	0	6	1·67	+ 1·02	46·2	+ 9·2	43	+ 9
	Hereford (Belmont) Ⓜ	74	49	68·4	53·3	60·4	+ 0·2	129	0	5	1·29	+ 0·71	*	*	*	*
	Cirencester	74	50	70·3	52·7	61·0	+ 1·9	133	0	6	1·16	+ 0·38	52·3	+11·4	49	+11
	Oxford	74	52	69·4	55·4	62·0	+ 1·1	140	0	5	1·30	+ 0·66	56·3	+14·3	53	+13
5. ENGLAND, S.	London	77	52	71·3	56·1	63·2	+ 0·9	148	0	3	0·61	+ 0·01	47·9†	+ 9·1†	45†	+ 9†
	Swarraton (Alresford) Ⓜ	73	52	68·1	54·7	61·0	- 0·4	133	0	6	1·10	?	*	*	*	*
	Dungeness	77	53	68·9	57·6	62·9	+ 1·2	146	0	2	0·65	+ 0·15	41·4	?	39	?
	Hastings (St. Leonards)	73	52	67·6	56·1	61·5	+ 0·1	137	0	4	0·63	+ 0·02	53·8	+ 5·0	51	+ 5
	Southampton	78	53	71·4	56·5	63·5	+ 1·4	151	0	6	0·77	+ 0·07	55·8	+ 9·8	53	+10
	Portland Bill	68	54	66·1	56·9	61·2	+ 1·4	134	0	4	0·42	?	*	*	*	*
	Shaftesbury Ⓜ	71	51	67·0	52·8	60·0	+ 1·1	126	0	5	1·03	+ 0·32	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	63	45	61·8	51·8	56·5	- 0·4	102	0	7	1·90	+ 0·63	*	*	*	*
	Glasgow	67	46	63·1	52·1	57·3	+ 0·1	107	0	6	0·88	- 0·02	35·3	+ 5·5	32	+ 5
	Glenlee Ⓢ	67	43	63·4	51·0	56·8	- 0·7	104	0	6	1·62	+ 0·52	*	*	*	*
	Douglas (Isle of Man)	65	46	62·7	52·6	57·4	+ 0·3	108	0	6	2·27	+ 1·45	45·5	+ 4·8	42	+ 5
7. ENGLAND, N.W.	Newton Reigny								0							
	Stonyhurst	69	50	63·5	53·3	58·1	- 0·4	113	0	6	2·47	+ 1·21	44·1	+ 9·9	40	+ 9
	Blackpool Ⓜ	68	51	64·4	56·3	60·1	+ 0·4	127	0	4	1·88	+ 1·04	43·3	+ 5·5	40	+ 6
	Manchester (Prestwich)	72	49	65·9	53·5	59·3	+ 0·3	121	0	6	3·23	+ 2·28	38·3	?	35	?
	Liverpool Obsy. (Bidston)	70	53	66·3	55·7	60·7	+ 0·9	131	0	6	2·07	+ 1·30				
	Llandudno Ⓜ	70	53	66·5	56·8	61·4	+ 0·7	136	0	6	1·92	+ 1·27	43·7	+ 8·7	40	+ 7
	Holyhead	66	51	62·9	54·4	58·4	- 0·8	115	0	5	2·08	+ 1·42	*	*	*	*
8. ENGLAND, S.W.	Llandovery	72	48	66·4	51·1	58·3	- 0.8	114	0	6	2·77	+ 1·69	*	*	*	*
	Pembroke	65	52	62·3	56·6	59.3	+ 0·3	121	0	5	1·19	+ 0·49	52·3	+10·4	49	+ 9
	Clifton	73	54	?68·5	?56·2	?62·0	?+ 1·4	?140	0	5	1·26	+ 0·37	*	*	*	*
	Arlington (N. Devon)	69	51	65·0	53·0	58·6	0·0	116	0	6	1·74	+ 0·46	*	*	*	*
	Cullompton Ⓜ	78	51	70·4	53·9	61·7	+ 1·1	138	0	6	1·07	+ 0·37	52·3	+13·9	49	+13
	Falmouth	71	55	66·7	56·4	61·2	+ 0·5	134	0	7	0·85	+ 0·03	62·6	+17·0	60	+17
	Plymouth	73	53	68·7	54·9	61·4	0·0	136	0	5	0·75	- 0·03	56·3	+14·1	54	+14
9. IRELAND, N.	Malin Head	64	53	60·7	54·9	57·6	+ 0·2	109	0	5	0·20	?	*	*	*	*
	Londonderry	67	49	64·7	52·9	58·5	+ 0·3	116	0	6	1·08	+ 0·13	*	*	*	*
	Edenfel (Omagh)	65	47	62·0	52·3	56·9	+ 0·2	104	0	6	1·65	+ 0·71	*	*	*	*
	Blacksod Point	65	51	62·9	54·9	58·7	+ 0·7	117	0	7	1·11	?	*	*	*	*
	Markree Castle	66	49	63·6	51·2	57·0	- 0·2	105	0	6	1·38	+ 0·41	37·6	+11·6	34	+ 9
	Armagh	69	47	64·8	51·9	58·0	+ 0·3	112	0	5	1·84	+ 1·09	33·8	+ 6·6	31	+ 6
	Donaghadee	66	48	63·3	52·3	57·6	+ 0·1	109	0	6	1·95	+ 1·20	*	*	*	*
10. IRELAND, S.	Dublin	73	48	67·5	54·2	60·5	+ 0·8	130	0	6	2·63	+ 1·90	46·3	+11·5	43	+11
	Parsonstown	69	48	65·7	52·6	58·8	+ 0·4	118	0	5	2·24	+ 1·37	41·8	+13·5	39	+12
	Kilkenny	70	48	65·9	51·4	58·2	- 0·6	113	0	5	1·16	+ 0·48	*	*	*	*
	Roche's Point	70	51	66·3	54·9	60·3	+ 0·6	128	0	4	0·83	- 0·04	*	*	*	*
	Valencia	66	54	63·6	56·1	59·6	+ 0·8	123	0	7	1·50	+ 0·50	38·9	+ 6·2	36	+ 5
	Killarney	70	50	65·2	53·4	59·0	+ 0·3	119	0	5	1·60	?	*	*	*	*
	Foynes	66	53	61·3	54·9	57·9	- 0·1	111	0	6	1·55	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	69	53	67·7	56·7	61·9	+ 1·2	139	0	6	0·61	- 0·04	52·6	?	50	?
	Jersey	71	57	68·1	59·6	63·6	+ 0·9	151	0	5	0·13	- 0·52				

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

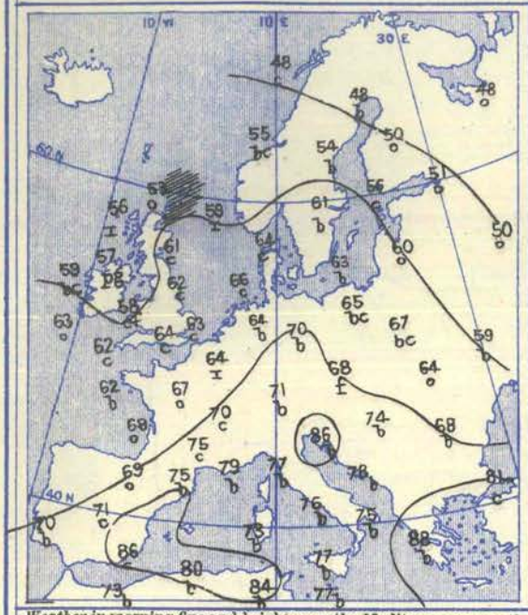
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

Note.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 29th July.

Temperature and Weather.

8 a.m.

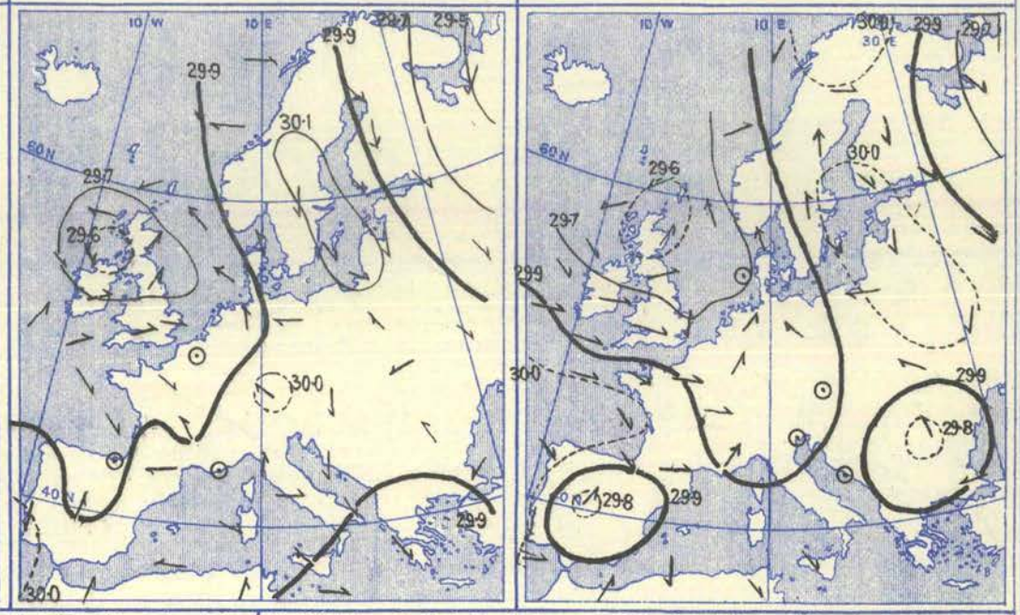


Weather in morning fine and bright over the Mediterranean, southern, south-eastern and central Europe, as well as in Sweden and some parts of Norway; dull over Russia, rather cloudy and not settled looking over the British Islands as a whole, rainy at Stornoway and Skudesnaes. A little rain later at many of our western and northern stations; slight thunder showers in London; sharp showers in north-western suburbs. A great deal of rain over the southern half of Scandinavia, in Germany, Brussels, and several parts of France.

Temperature in morning as high as 88° at Patras, and 86° to 82° at many stations on the Mediterranean and Adriatic coasts; above 70° over the southern parts of France and some parts of south Germany; exceeding 60° over the south of Ireland, over England, north Germany, and the south of Scandinavia. Lowest, 48° at Archangel, Haparanda, and Bodö, 50° to 51° over the northern half of Russia, 53° at Sumburgh Head, 56° at Stornoway and Nairn. Rising later to 76° at Spurn Head, 75° in London (oscillating very considerably in afternoon), to 88° at Berlin, 89° at Belfort, 92° at Perpignan, 95° at Hermanstadt and Tunis, 100° at Aumale, 102° at Laghouat.

Barometer and Wind.

8 a.m. 6 p.m



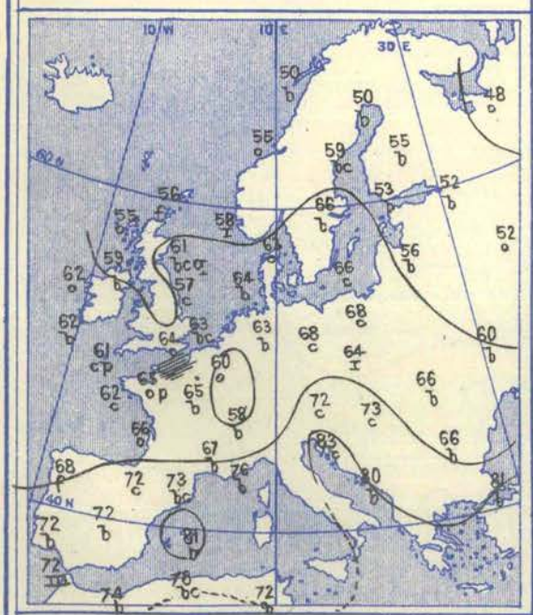
Wind light to moderate, but cyclonic, over our Islands and their neighbourhood; Easterly in the far north, North-Westerly in the north-west, Westerly in the south, Southerly in Denmark; Northerly (cyclonic) over Finland, North-Westerly, light, over Russia. Anticyclonic over Sweden and the Gulf of Bothnia; very variable over southern and central Europe. Freshening at our southern stations during day.

Barometer highest, (1) 30·1 ins. and more to 30·0 ins. in an elongated anticyclone over Sweden, the Baltic, and north Germany, and exceeding 29·9 ins. over central and southern Europe and the north of Africa. Lowest, (1) 29·5 ins. and less to 29·6 ins. over the north-east of Russia; (2) below 29·6 ins. in a depression having its centre over the west of Scotland. Scotch depression moving eastwards later, shallow secondaries moving eastwards over France, and a new system forming over Spain.

Monday, 30th July.

Temperature and Weather.

8 a.m.

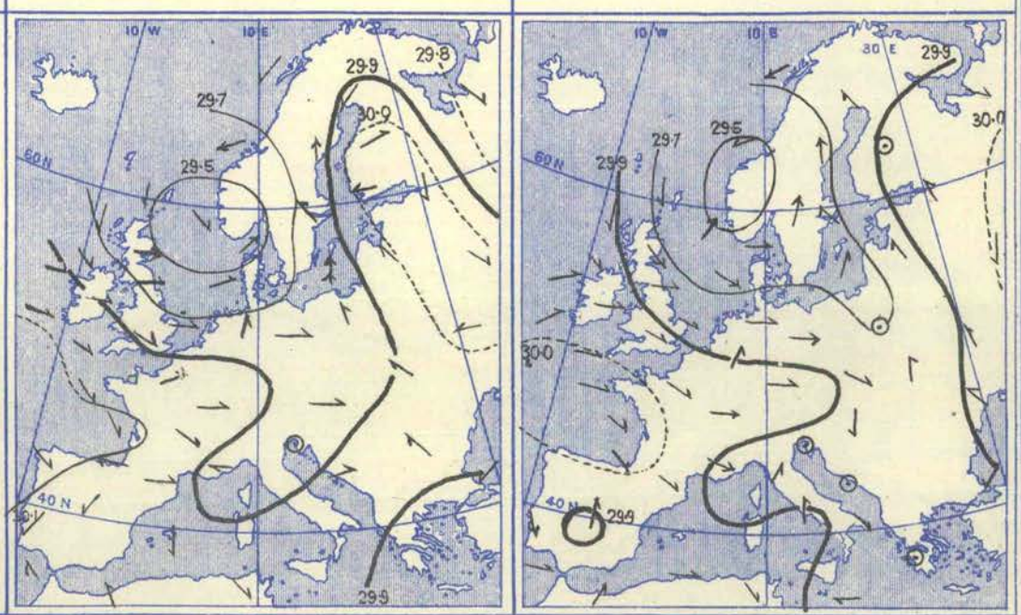


Weather in morning fair generally over Spain, France, and the greater part of our Islands, very unsettled over Norway and central Europe, with rain at times and thunder in a few places, fine and bright over Finland and Russia. Much rain later in several parts of northern and central Europe, and a little still later at some of our own western stations. Weather over England and France becoming brighter.

Temperature highest, 83° at Trieste, 81° at Constantinople and Palma, and much above 70° at most of the Mediterranean stations and the southern parts of Austria, above 60° over most parts of central and western Europe, 66° at Stockholm. Lowest, (1) 50° in Lapland, 55° at Christiansund and Stornoway, 59° at Malin Head; (2) 48° at Archangel, 52° at St. Petersburg, Moscow and Kharkov. Rising later to between 70° and 77° over most of the southern parts of our Islands, to 74° at Paris, 79° at Berlin, and 95° at Nice.

Barometer and Wind.

8 a.m. 6 p.m.

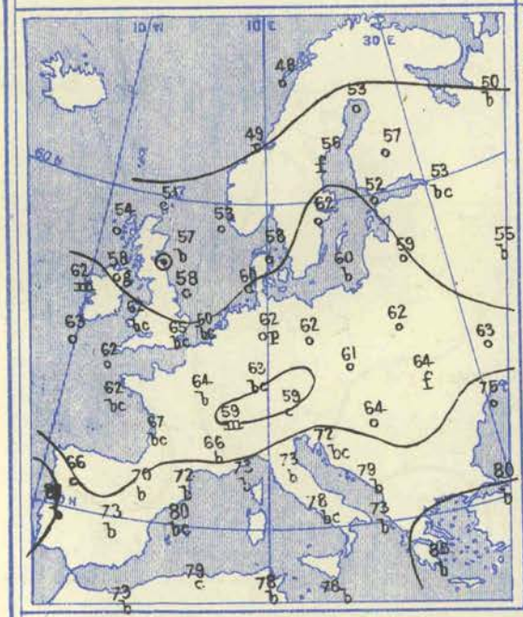


Wind light and anticyclonic (1) over the Bay of Biscay and south-western Europe, (2) over Russia, Poland and Hungary; cyclonic over the north-western countries, strong from West, South, South-East, and North-East over the eastern shores of the North Sea and Scandinavia, and cyclonic but light in another circulation over Austria and south Germany. The Northern circulation continuing to move Eastwards later, but wind on our west coasts backing again.

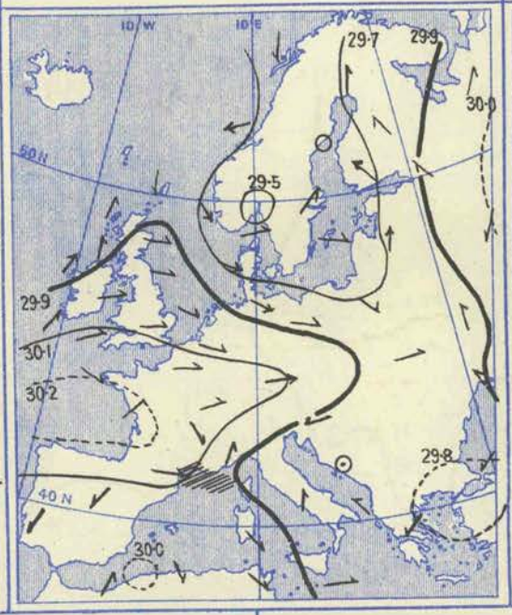
Barometer in morning highest, (1) 30·1 ins. to 29·9 ins. over the Bay of Biscay, Spain, France, and the south-west of our Islands, and (2) 30·0 ins. and more to 29·9 ins. over Russia. Lowest, 29·5 ins. and less in a depression lying between Scotland and the southern part of Norway; and below 29·9 ins. over the northern parts of the Mediterranean. Northern depression moving east-north-east later, but rise of barometer ceasing in west of Ireland.

Tuesday, 31st July.

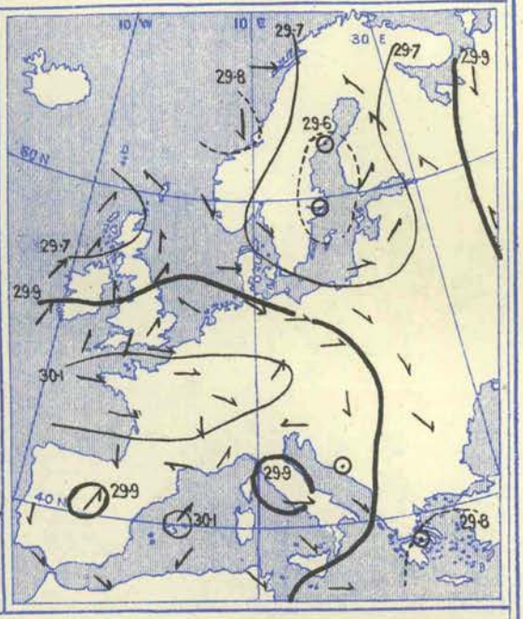
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Spain, the Mediterranean, France, with the greater part of England, the North Sea and Sweden, and also in Russia; becoming unsettled in Ireland and the west of Scotland, rainy at some of the western stations, dull at Lemberg and Hermanstadt. Considerable rain in showers later over the northern and western parts of our Islands, as well as in Sweden and Germany, and smaller quantities over England, but remaining dry over the greater part of France and in Norway.

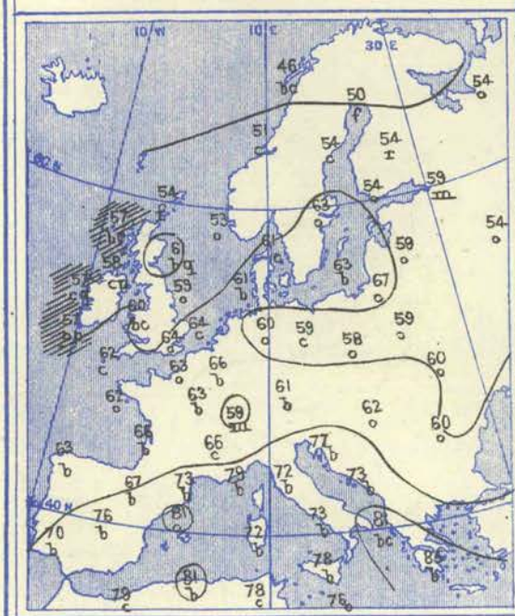
Temperature in morning highest, 80° to 85° over south-eastern Europe, 80° at Barcelona and over the north-east of Spain and at Leghorn; above 70° over the other parts of the Mediterranean, and above 60° over central Europe and the southern and south-western parts of our Islands. Lowest, 48° at Bodö, 49° at Christiansund, 50° at Archangel, 53° at Haparanda, 51° at Sumburgh Head, 52° at Hangö, 54° at Wick. Not rising much in our Islands later, and touching only 70° at Berlin, 77° in London and at Paris., but 88° at Nice, and 86° at Perpignan.

Wind (1) light and anticyclonic over France and the Bay of Biscay. (2) Cyclonic and somewhat stronger (1) from West and South-West over the British Isles; (2) from North-East and North-West (a gale) in Norway, West (strong) over Denmark and the Baltic, South-Easterly over Finland; very variable over the Mediterranean and Spain. Increasing in force from South-West at the British stations later, but the Northerly wind in Norway falling light.

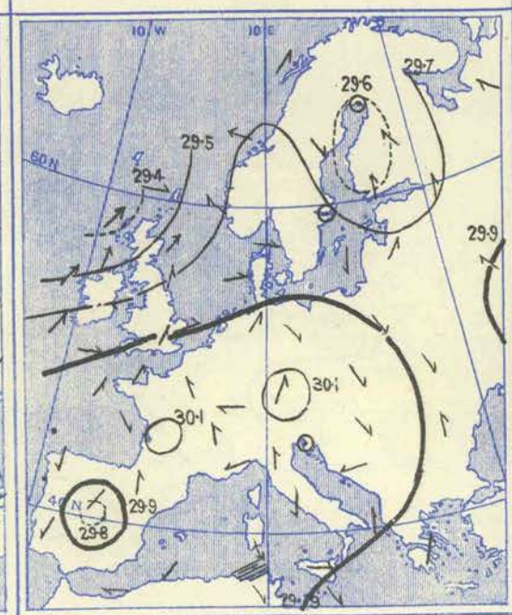
Barometer highest, 30·2 ins. and more to 30·0 ins. over the Bay of Biscay, Spain, France, the south of our Islands; lowest (1), 29·5 ins. to 29·6 ins. over Scandinavia; (2) 29·9 ins. and less in a depression advancing to our north-west coasts from the Atlantic; (3) below 29·9 ins. to 29·8 ins. over the Riviera, Italy, the south-east of Europe. The new depression in the north-west moving eastwards later, the barometer falling all over our Islands, and a new cyclonic system forming over central Spain.

Wednesday, 1st August.

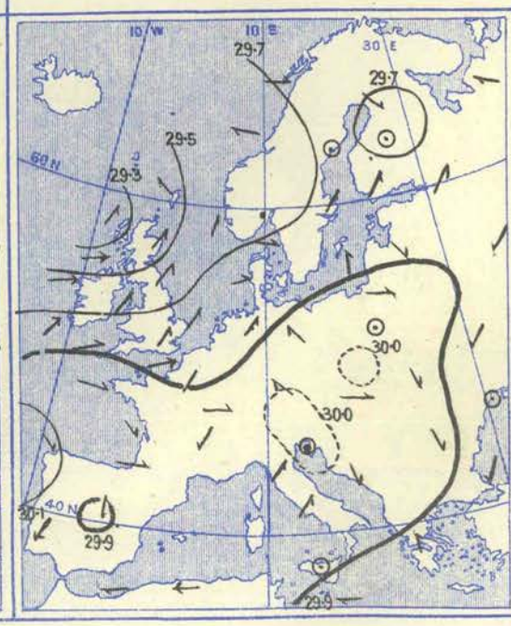
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Spain, the Mediterranean, France, and the west and south of Germany, unsettled over our Islands and also over northern Europe, with rain in many places. Rain later in nearly all parts of our Islands and their immediate neighbourhood, amount greatest over the southern half of England and at one or two isolated northern stations; thunder at Spurn Head and thunderstorm at Cuxhaven.

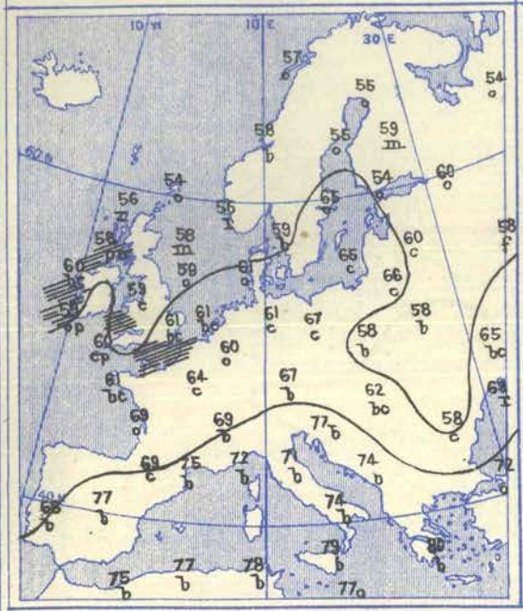
Temperature decreasing over the United Kingdom and temporarily over central Scandinavia. Morning readings highest, 85° to 84° over Greece, 81° at Algiers and Barcelona, 79° to 72° over the Riviera and northern Italy, 77° at Trieste; 60° and more over Germany, France and various parts of the British Islands, 63° in the east of Sweden. Lowest, 46° at Bodö, 50° at Haparanda, 51° at Christiansund and Aberdeen, 57° to 58° in the north-west of Ireland. Not exceeding 70° later in any part of our Islands, but touching 79° at Frankfürt, 86° at Paris and Nice, 91° at Palermo and about 100° at Aumale and Laghouat.

Wind (1) light to moderate, and mainly anticyclonic over the southern countries of Europe; (2) cyclonic in the more northern and north-western regions, South-Westerly (fresh) over the United Kingdom, North-Westerly light in Sweden, South-Easterly over Finland. Becoming more Westerly over the United Kingdom later, but changing little elsewhere.

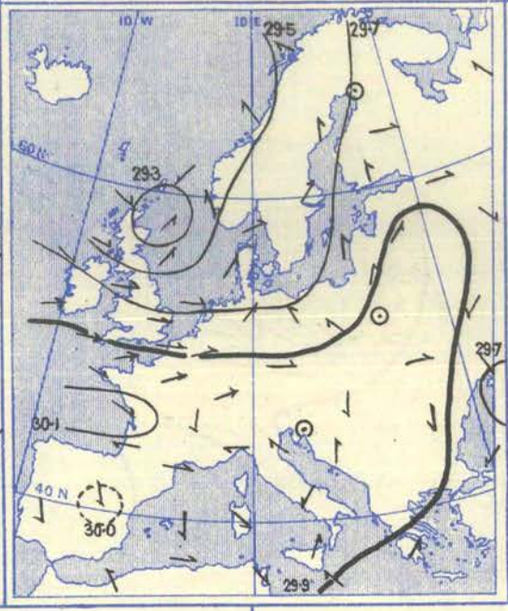
Barometer highest, 30·1 ins. and more to 29·9 ins. over France, Germany, and the Mediterranean, and exceeding 29·9 ins. over central Russia. Lowest (1) 29·6 ins. and less in a depression over Finland, (2) 29·5. ins. to 29·4 ins. over our extreme north-west districts; (3) 29·8 ins. and less in a local depression over central Spain. British depression moving eastwards later.

Thursday, 2nd August.

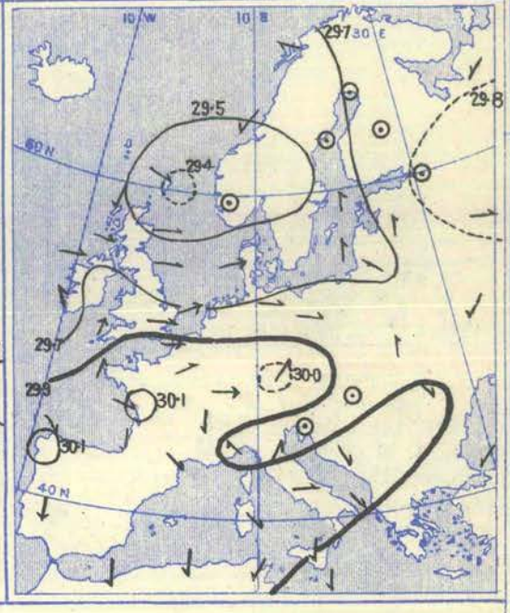
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Spain, the Mediterranean, Italy, and France, very fair over England and the East of Ireland; dull over northern Europe, rainy and unsettled in Scotland and the west of Ireland. Becoming unsettled at our south-western stations, much rain falling later over Ireland and Wales, smaller quantities almost all over our Islands, and a considerable quantity over Scandinavia. Very heavy thunderstorm at Cuxhaven.

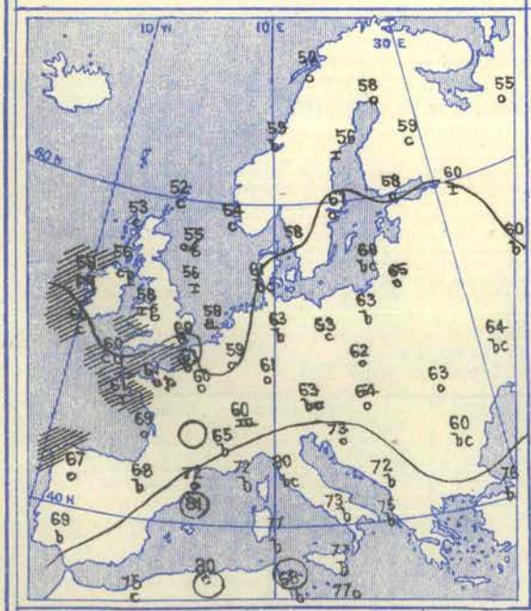
Temperature unsteady over our Islands. Morning readings highest, 80° both at Patras and Palma, above 70° at most of the Mediterranean stations, above 60° over northern France, western Germany and the south of England, as well as at Karlstad and Stockholm. Lowest, 53° at Helsingfors, 54° at Hangö and Sumburgh Head, 56° at Stornoway. Rising later to 68° in many parts of England, 73° in London, to 75° at Berlin, 76° at Paris, 82° at Nice, 86° at Perpignan, 98° at Brindisi, and 100° at Aumale and Laghouat.

Wind light and variable (mainly anticyclonic) over southern Europe; cyclonic over the northern countries, South-Easterly over western Norway, South-Westerly and Westerly over Great Britain, Westerly and North-Westerly over Ireland. Shifting to the Southward on our south-west coasts later, with rain and an unsettled appearance, but remaining Westerly at our eastern stations.

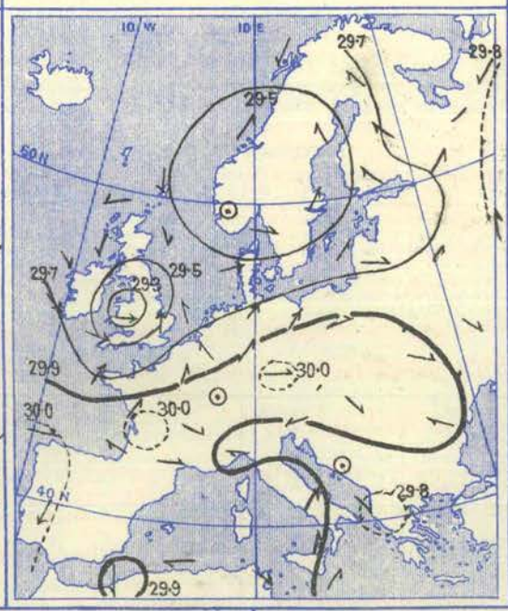
Barometer in morning highest, 30·1 ins. to 29·9 ins. over Spain, France and south Germany. Lowest, 29·3 ins. and less in a depression over the north-east of Scotland, 29·8 ins. in another over the north-east of Russia, 29·7 ins. and less at Odessa. A new and rather deep system approaching our own south-west coasts later; barometer falling fast at Valencia and Scilly.

Friday, 3rd August.

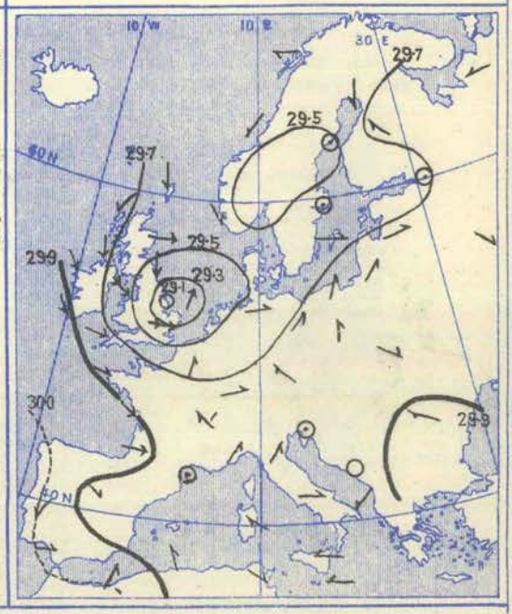
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine and bright over the Mediterranean and southern Europe, fair over Germany and Austria; dull and rainy in the northern parts of the Continent, rough, rainy, and squally over the British Isles, especially over Ireland and England. Much rain (0·9 ins. to 2·4 ins.) later, over the north of England and minor falls in other portions of the British Islands and their neighbourhood, thunder and lightning at Bidston Observatory. Continuing fine over nearly the whole of the southern part of France.

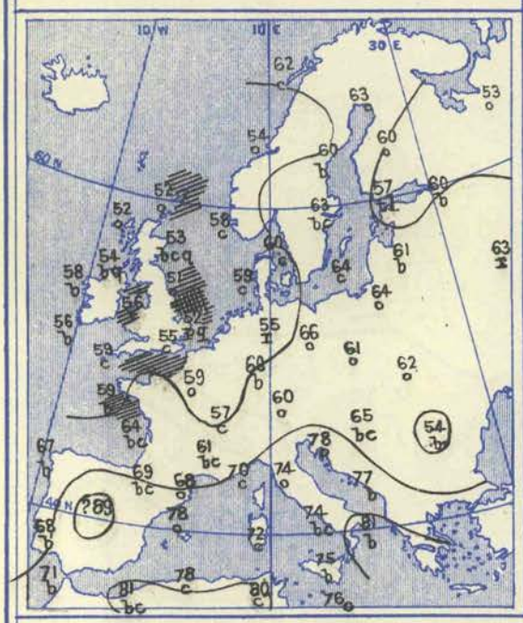
Temperature decreasing over north-western Europe. Morning readings highest, 81° at Barcelona, 80° at Algiers and Leghorn, and exceeding 70° over the Mediterranean generally; 60° and more all over France, Germany, Denmark, and the south of England, as well as at Stockholm. Lowest, 52° at Bodö, 53° at Stornoway, and below 60° over all the most northern and north-western countries. Not rising much later in these regions, but touching 67° at Scilly, 75° at Berlin, 74° at Paris, 84° at Nice, and 87° at Perpignan.

Wind light and anticyclonic over the south-western, southern, and eastern parts of Europe. Cyclonic in the north and north-west. (1) Northerly at our western stations, Southerly in the east, and very strong in force. (2) Northerly to Easterly moderate over Scotland; another cyclonic circulation of moderate winds prevalent over Scandinavia, blowing hard from North-West and West over England later, with strong squalls, and at Liverpool, lightning.

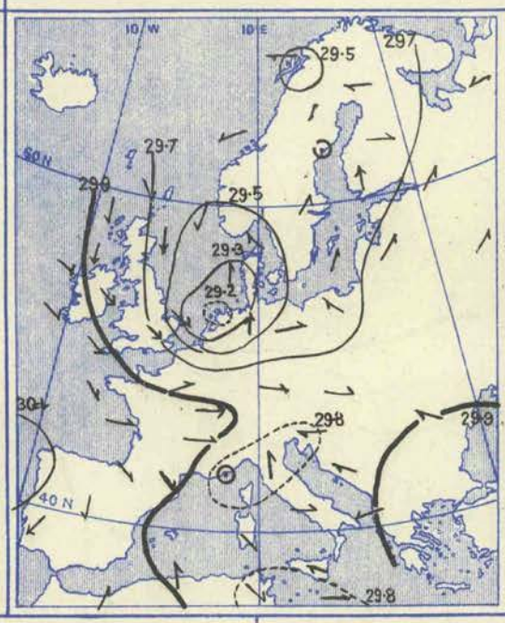
Barometer highest, 30·0 ins. and more to 29·9 ins. over Spain, the Mediterranean, and greater part of southern and central Europe. Lowest, (1) 29·5 ins. and less over Scandinavia; (2) 29·3 ins. and less in a deeper depression having its centre over Wales. Latter disturbance deep, increasing in intensity and moving eastwards across the centre of England later, barometer rising fast in Ireland, falling over the North Sea.

Saturday, 4th August.

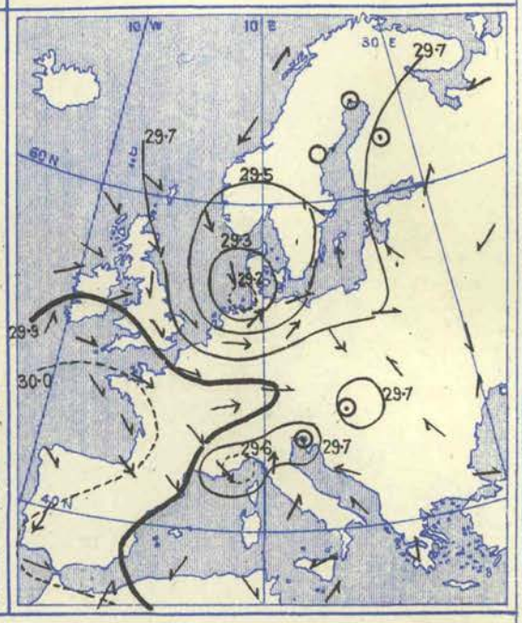
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the southern parts of Europe, cloudy and changeable in the far north, with thunderstorm at Helsingfors, rain at Moscow. Very rough over western Germany, the Netherlands, Denmark, and the North Sea, but clearing up quickly over the British Islands and France, especially at the western stations. Much rain later over Scandinavia and the Baltic; and a fresh fall commencing in the west of our Islands towards night. Sky clearing over east of England.

Temperature in morning highest, from 81° to 77° on the north coast of Africa and above 70° all over the Mediterranean, and varying from 64° to 57° over central Europe, and exceeding 60° over Lapland and Finland. Lowest, 51° at Shields, 52° at Sumburgh Head, Stornoway, and Nairn, 54° at Malin Head. Not touching 70° later at any of our own stations, but reaching 69° at Dungeness, 72° at Berlin, 70° to 73° in Sweden, 75° at Lorient, 90° at Nice.

Wind (1) very light and variable over southern Europe and over Russia; cyclonic over our Islands and their neighbourhood—Southerly in Denmark, South-Westerly and Westerly in the north of France, North-Westerly to Northerly in our Islands—blowing a gale at our eastern and south-eastern stations, but moderating quickly in the west and south-west. Blowing hard from North-West in Holland later, and moderating on our own eastern coasts, but backing again to South-West in Ireland.

Barometer highest, 30·1 ins. and more to 30·0 ins. over the Bay of Biscay, the south-west of Ireland and the western parts of the Iberian Peninsula, and exceeding 29·9 ins. both over the south-west of France and the Balkan Peninsula. Lowest, 29·17 ins. at the Helder and varying from that to 29·5 ins. in a depression lying over the North Sea, Denmark and the north-west of Germany. Depression moving east-north-eastwards later, barometer rising fast over England, and a new disturbance beginning to appear off the west of Ireland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus ⟶»⟶ = a heavy gale ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was highest (30·0 ins. and more) (1) over the Bay of Biscay and western and south-western Europe; (2) over western and south-western Russia, while a depression was found over the south of Norway, and a secondary over the south-west of England. The wind was North-Westerly and Westerly over the United Kingdom as a whole, but Southerly over the Baltic and Gulf of Bothnia; variable over southern Europe. The Russian high-pressure area gave way slowly, while that over the Bay of Biscay moved south-eastwards slowly, and the depressions over our Islands became more numerous and complicated. By Wednesday the highest readings were located over France and south Germany, and though a new anticyclone reached the south-west of France later, it passed steadily to the eastward and a fresh deep disturbance appeared off our south-west coasts; this moved north-eastwards to Wales and thence eastwards to the Netherlands and Germany. It brought about gales of great strength over Ireland, England and the north of France, large quantities of rain over the north-western and north-eastern districts—falls which were repeated later, accompanied by thunder and lightning, in some parts of Germany. On Saturday pressure was recovering over the United Kingdom, the wind was North-Westerly and dying down, but by evening it had backed to South-West again at the Irish stations. Throughout the week the air temperature had been decreasing unsteadily, and at its close was below the average over England and Ireland.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 182.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	36·1	?	32	?	BRIGHTON	55·2	+ 7·1	52	+ 5
STRATHPEFFER SPA	26·3	− 0·5	23	0	WORTHING	58·4	?	55	?
EDINBURGH	36·2	+ 4·2	33	+ 3	BOGNOR	56·2*	?	53*	?
MORPETH	47·2	?	43	?	WATERGATE (Emsworth)	45·7	?	43	?
NEWCASTLE-ON-TYNE	41·5	?	38	?	WESTBOURNE (Emsworth)	48·9*	+ 1·9	46*	+ 1
OSWALDKIRK (Yorkshire)	34·3	+ 0·9	31	+ 1	VENTNOR HOSPITAL	61·6	?	58	?
YORK					SOUTHPORT	55·2	?	51	?
LOWESTOFT		?		?	RHYL	41·4*	?	38*	?
HOLLESLEY BAY	49·0	?	46	?	COLWYN BAY	43·9	?	41	?
SHEFFIELD	49·8	?	46	?	ABERDOVEY	32·9*	?	30*	?
WORKSOP	38·0	+ 2·8	35	+ 3	TENBY	51·7	+ 9·7	48	+ 8
THURCASTON (Leicestershire)	42·8	+ 6·0	40	+ 6	NEWQUAY	52·1	+ 7·1	50	+ 6
MARGATE	39·0	− 4·1	37	− 3	TORQUAY	68·3	+22·3	65	+23
EASTBOURNE	55·5	+ 7·5	52	+ 7	GUERNSEY	71·8*	+18·4	69*	+18

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 32.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 11TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 188.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	75	38	61·8	46·7	53·8	1 below	83	− 4	0	0	1279	+118	639	+ 16
	1. SCOTLAND, EAST	70	34	60·1	46·4	52·9	4 below	76	−27	0	0	1416	− 19	697	+ 48
	2. ENGLAND, N.E.	69	36	60·6	48·4	54·1	4 below	85	−30	0	0	1613	+108	518	− 31
	3. ENGLAND, EAST	73	43	63·7	48·7	55·7	5 below	96	−30	0	0	1901	+126	530	− 87
	4. MIDLAND COUNTIES	72	42	63·1	49.9	56·1	3 below	99	−22	0	0	1848	+ 58	567	− 52
	5. ENGLAND, SOUTH	74	40	64·6	51·4	57·6	4 below	109	−24	0	0	2010	+ 92	389	− 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	65	42	60·3	49·1	54·4	3 below	87	−18	0	0	1586	+ 75	506	+ 44
	7. ENGLAND, N.W.	68	45	61·1	51·0	55·8	3 below	97	−19	0	0	1700*	+ 79	452	− 7
	8. ENGLAND, S.W.	74	41	64·9	51·4	57·7	2 below	110	−11	0	0	1894	+ 78	336	− 25
	9. IRELAND, NORTH	67	43	60·8	50·1	55·1	2 below	92	−14	0	0	1633	+ 23	416	+ 21
	10. IRELAND, SOUTH	67	43	63·1	50·9	56·7	2 below	103	−12	0	0	1889	+ 58	373	+ 74
	—CHANNEL ISLANDS	70	52	65·5	55·5	60·2	2 below	127	− 7	0	0	2289	+260	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 188.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	2	6	2 less	155	+11	27·2	0·0	37	+ 9	34	+ 9	780	− 1	26	0
	1. SCOTLAND, EAST	4	12	4 more	130	+13	19·8	+ 1·9	26	− 6	24	− 5	807	− 96	27	− 3
	2. ENGLAND, N.E.	5	18	11 more	113	+ 3	18·5	+ 3·8	18	−14	17	−12	837	− 61	28	− 2
	3. ENGLAND, EAST	5	15	9 more	116	+ 9	16·7	+ 2·3	29	−16	28	−14	1144	+ 34	37	+ 1
	4. MIDLAND COUNTIES	5	15	8 more	110	+ 5	18·8	+ 2·7	22	−14	21	−14	952	+ 39	34	+ 1
	5. ENGLAND, SOUTH	5	9	3 more	102	+ 2	16·8	+ 1·0	27	−16	27	−18	1148	+ 37	39	+ 1
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	22	11 more	139	+16	31·3	+ 2·6	14	−20	13	−19	920	− 37	31	− 1
	7. ENGLAND, N.W.	6	22	14 more	119	+ 6	22·0	+ 3·5	21	−17	20	−16	1026	+ 46	34	+ 1
	8. ENGLAND, S.W.	6	13	5 more	124	+10	25·9	+ 3·8	50	+ 7	48	+ 6	1166	+ 19	40	+ 1
	9. IRELAND, NORTH	5	12	3 more	148	+15	22·2	+ 2·3	21	− 6	19	− 7	924	+ 37	31	+ 1
	10. IRELAND, SOUTH	5	22	13 more	130	+ 9	26·2	+ 3·9	32	0	31	+ 1	975	− 24	33	− 1
	— CHANNEL ISLANDS	5	8	2 more	131	+12	19·9	+ 2·3	51	− 7	49	− 6	1296	+ 59	47	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week was cool and extremely unsettled, especially over Ireland and the more central parts of Great Britain, where very heavy falls of rain occurred, mostly on the 6th. Thunderstorms occurred in many parts of England on the 5th, and again in the north-western districts on the 6th.

Temperature was below the mean, the deficit varying from 2° in Ireland, the S.W. of England and the Channel Islands, to 4° in most of the wheat producing districts, and to 5° in the Channel Islands. The highest readings occurred mostly on the 10th in Scotland, and on the 11th in England, but on various dates in Ireland. They were decidedly low for the time of year, the absolute maxima ranging from 74° in England S. and S.W., to 67° in Ireland, and to 65° in Scotland W. At many of the northern stations the maximum readings on the 6th, 7th and 9th were below 60°. The lowest readings, which occurred at various times in the different districts, ranged from between 34° and 38° in Scotland N. and E. and England N.E., to 45° in England N.W., and to 52° in the Channel Islands.

Rainfall was in excess of the mean in all districts excepting Scotland N., the amount being, as a rule, very considerable. In Scotland W. the total fall was twice as much as the mean, and in most of the English districts, as well as in Ireland S., more than twice as much. The largest daily amounts occurred on the 6th in Ireland, the north of England and the south of Scotland, and on the 11th in Scotland and the north-east of England. On the former date more than an inch and a half was measured in several places, and as much as 2·0 ins. at Edinburgh.

Bright Sunshine was less than the mean in all but the extreme northern and south-western parts of the Kingdom. The percentage of the possible duration ranged from 49 in the Channel Islands and 48 in England S.W., to 19 in Ireland N., 17 in England N.E., and 13 in Scotland W.

Barometer and Wind.—At the commencement of the week a complex, but somewhat shallow depression extended over our Islands from the westward, the prevailing winds being from South-West veering to North-West. During nearly the remainder of the time the weather was influenced by two deeper disturbances, the centres of which advanced directly across the United Kingdom. The first of these appeared off the south-west of Ireland early on the 6th, and afterwards moved north-eastwards across England, its passage being attended by gales from South-West or West on our southern coasts, and from North-West in the west. The second advanced over the south of Ireland on the night of the 8th, and moved next day in a due easterly direction across the south of England, gales from West being again experienced in the English and Bristol Channels. As the latter disturbance passed away an anticyclone spread over the United Kingdom from the South-Westward, and moderate breezes from the North-Westward or Westward set in generally.

* This value has been altered slightly, owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 187 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	42	58·1	46·4	51·9	- 1·3	69	0	2	0·18	- 0·54	*	*	*	*
	Stornoway	68	47	63·3	47·9	55·1	+ 0.4	92	0	3	0·35	- 0·45	47·0	+20·1	43	+19
	Wick	65	38	61·0	45·4	52·7	- 2·2	75	0	1	0·50	- 0·12	*	*	*	*
	Lairg Ⓢ	75	39	65·4	44·4	54·3	- 0·2	86	0	3	0·64	- 0·07	*	*	*	*
	Glencarron Ⓢ	66	42	61·1	46·9	53·6	- 1·2	81	0	3	1·82	+ 0·29	*	*	*	*
	Fort Augustus Ⓢ	68	42	62·6	47·3	54·5	- 2·2	88	0	2	0·50	- 0·28	23·4	+ 7·0	22	+ 7
	Fort William Ⓢ	64	40	61·3	48·4	54·5	- 2·5	88	0	3	1·58	+ 0·22	25·6	+ 5·1	23	+ 4
1. SCOTLAND, E.	Nairn	70	42	62·7	46·3	54·0	- 3·2	84	0	4	0·79	+ 0·09	*	*	*	*
	Aberdeen	65	42	59·6	46·6	52·7	- 4·0	75	0	3	1·21	+ 0·42	41·2	+ 7·2	38	+ 7
	Braemar Ⓢ	64	34	58·9	43·2	50·6	- 3·4	60	0	4	0·85	+ 0·07	32·0†	+ 5·7†	29†	+ 5†
	Ochtertyre Ⓢ										*	*	*	*	*	*
	Leith	69	43	61·4	49·1	54·9	- 3·8	90	0	4	1·53	+ 0·85	*	*	*	*
	Marchmont Ⓢ	65	40	58·1	46·9	52·2	- 4·0	71	0	6	1·63	+ 0·77	19·5	-15·5	18	-14
2. ENGLAND, N.E.	Alnwick Castle	66	36	61·5	48·3	54·5	- 2·4	88	0	4	3·27	+ 2·52	*	*	*	*
	Durham	68	41	58·8	46·3	52·2	- 6·2	71	0	5	1·06	+ 0·32	20·0	-13·7	19	-12
	Shields	68	45	59·4	48·1	53·4	- 4·5	80	0	4	1·54	+ 0·86	*	*	*	*
	Scarborough Ⓜ	69	42	62·3	47·1	54·2	- 4·7	85	0	6	1·74	+ 1·06	*	*	*	*
	Spurn Head	65	46	61·1	52·0	56·3	- 3·3	100	0	7	1·22	+ 0·77	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	73	43	63·6	47·1	54·9	- 5·5	90	0	5	2·46	+ 1·75	19·2	-21·6	18	-20
	Yarmouth	67	47	62·1	49·6	55·5	- 5·2	95	0	6	1·87	+ 1·26	*	*	*	*
	Geldeston	70	43	64·2	47·2	55·2	- 5·4	92	0	6	1·85	+ 1·29	31·5	-12·3	30	-12
	Cambridge	73	46	64·9	48.9	56·4	- 5·0	101	0	5	0·87	+ 0·27	28·7	—13·0	28	-11
	Felixstowe	69	46	64·4	49·7	56·3	- 3·7	102	0	5	0·91	?	35·2	?	34	?
	Rothamsted	70	46	62·8	49·4	55·7	- 4·7	96	0	5	1·27	+ 0·64	27·3	-16·3	26	-16
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	69	48	62·4	51·1	56·4	- 3·4	101	0	7	1·82	+ 1·22	*	*	*	*
	Loughborough	72	48	63·3	50·3	56·4	- 4·7	101	0	6	1·84	+ 1·27	*	*	*	*
	Cheadle Ⓜ	68	46	59·8	48·6	53·9	- 4·0	83	0	5	2·19	+ 1·40	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	70	49	62·3	50·1	55·8	- 3·8	97	0	6	1·11	+ 0·45	21·2	?	20	?
	Churchstoke Ⓜ	68	42	62·8	47·9	54·9	- 3·1	90	0	5	1·46	+ 0·81	28·8	- 8·3	27	- 8
	Hereford (Belmont) Ⓜ	70	44	65·7	50·0	57·4	- 2·8	108	0	5	0·91	+ 0·33	*	*	*	*
	Cirencester	70	45	64·1	50·0	56·6	- 2·1	102	0	5	1·39	+ 0·64	27·4	—13·4	26	-13
	Oxford	70	47	64·1	50·9	57·1	- 3·6	106	0	4	1·03	+ 0·43	27·0	-15·0	26	-15
5. ENGLAND, S.	London	72	47	64·3	50·9	57·2	- 4·9	106	0	5	0·88	+ 0·30	20·6†	-17·9†	20†	-17†
	Swarraton (Alresford) Ⓜ	71	40	64·3	48·8	56·1	- 5·2	99	0	6	0·99	?	*		*	*
	Dungeness	67	46	64·6	53·4	58·7	- 3·0	117	0	4	0·65	+ 0·15	23·7	?	23	?
	Hastings (St. Leonards)	66	49	63·3	51·9	57·3	- 4·1	107	0	4	0·62	0·00	29·0	-19·0	28	-18
	Southampton	74	50	66·6	51·7	58·7	- 3·3	117	0	5	1·22	+ 0·55	35·2	-10·8	24	-20
	Portland Bill	68	52	65·0	53·7	59·0	- 1·6	119	0	3	0·64	?	*	*	*	*
	Shaftesbury Ⓜ	71	49	64·0	49·7	56·4	— 2·9	101	0	5	1·25	+ 0·57	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	65	44	62·5	49·9	55·8	- 0·9	97	0	3	1·78	+ 0·52	*			*
	Glasgow	65	47	59·0	49·7	54·1	- 2·9	85	0	5	2·90	+ 2·00	9·8	-20·0	9	-19
	Glenlee Ⓢ	65	42	59·9	47·3	53·2	- 3·9	78	0	6	1·52	+ 0·41	*	*	*	*
	Douglas (Isle of Man)	65	48	59·8	49·4	54·3	- 2·8	86	0	5	2·49	+ 1·62	17·1	-21·6	16	-20
7. ENGLAND, N.W.	Newton Reigny	67	45	62·0	47·2	54·2	- 3·1	85	0	4	1·61	?	23·1	?	21	?
	Stonyhurst	64	49	59·7	50·2	54·7	- 3·6	89	0	7	2·00	+ 0·82	14·1	-18·9	13	-18
	Blackpool Ⓜ	63	48	61·2	51·5	56·1	- 3·4	99	0	5	2·36	+ 1·54	20·6	-15·2	19	-14
	Manchester (Prestwich)	67	47	61·4	49·9	55·3	- 3·7	93	0	7	3·14	+ 2·22	11·8	?	11	?
	Liverpool Obsy. (Bidston)	62	52	60·7	52·4	56·3	— 3·4	100	0	5	2·01	+ 1·27	19·8	?	19	?
	Llandudno Ⓜ	68	52	63·8	53·2	58·2	- 2·3	113	0	7	2·80	+ 2·16	17·5	-16·9	17	-16
	Holyhead	64	51	59·1	52·4	55·6	- 2·6	95	0	4	1·60	+ 0·94	*	*	*	*
8. ENGLAND, S.W.	Llandovery	72	41	65·0	47·3	55·6	- 3.6	95	0	6	1·78	+ 0·70	*	*	*	*
	Pembroke	63	53	61·3	53·3	57·1	- 1·9	106	0	5	1·13	+ 0·45	46·6	+ 4·8	45	+ 4
	Clifton	70	50	66·9	53·0	59·5	- 0·9	123	0	5	1·12	+ 0·28	*	*	*	*
	Arlington (N. Devon)	68	44	63·3	48·7	55·6	- 2·8	95	0	6	1·43	+ 0·16	*	*	*	*
	Cullompton Ⓜ	74	44	68·5	50·5	59·0	- 1·4	119	0	6	0·95	+ 0·28	39·4	+ 0·8	38	+ 1
	Falmouth	67	52	64·2	54·5	59·1	- 1·6	120	0	6	1·28	+ 0·45	62·5	+17·2	61	+17
	Plymouth	68	49	64·8	52·5	58·3	- 3·0	114	0	5	1·57	+ 0·82	47·4	+ 5·3	46	+ 5
9. IRELAND, N.	Malin Head	63	50	59·7	52·3	55·8	- 1·7	97	0	4	0·16	?	*	*	*	*
	Londonderry	67	48	62·0	50·2	55·8	- 2·2	97	0	4	0·68	- 0·26	*	*	*	*
	Edenfel (Omagh)	65	45	61·4	48·9	54·8	- 1·7	90	0	6	0·90	- 0·03	*	*	*	*
	Blacksod Point	62	49	61·0	51·4	55·9	- 2·3	97	0	4	1·41	?	*	*	*	*
	Markree Castle	63	43	60·8	48·9	54·5	- 2·7	88	0	5	1·73	+ 0·77	23·7	- 2·5	22	- 3
	Armagh	67	46	61·7	49·1	55·0	- 2·5	91	0	5	1·55	+ 0·80	17·4	- 8·8	16	- 9
	Donaghadee	62	48	59·1	49·6	54·1	- 3·3	85	0	5	1·88	+ 1·11	*	*	*	*
10. IRELAND, S.	Dublin	67	50	62·2	51·0	56·3	- 3·1	100	0	6	2·10	+ 1·38	24·9	- 9·9	24	- 9
	Parsonstown	66	46	62·6	49·6	55·7	- 2·5	96	0	5	3·03	+ 2·14	27·0	- 2·6	26	- 2
	Kilkenny	67	43	64·1	48·9	56·0	- 2·9	98	0	5	1·99	+ 1·26	*	*	*	*
	Roche's Point	66	50	63·3	52·9	57·8	- 1·8	111	0	5	1·56	+ 0·66	*	*	*	*
	Valencia	65	46	62·9	52·7	57·5	- 1·4	109	0	5	1·70	+ 0·66	45·7	+13·1	44	+13
	Killarney	67	44	63·6	50·5	56·7	- 2·2	103	0	5	1·46	?	*	*	*	*
	Foynes	?	48	?	51·5	?	?	?	?	4	3·31	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	67	54	65·1	55·0	59·8	- 0·9	125	0	5	0·80	+ 0·18	59·0	?	57	?
	Jersey	70	52	65·9	56·0	60·6	- 2·1	130	0	4	0·83	+ 0·22	42·0	- 11·5	41	- 11

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

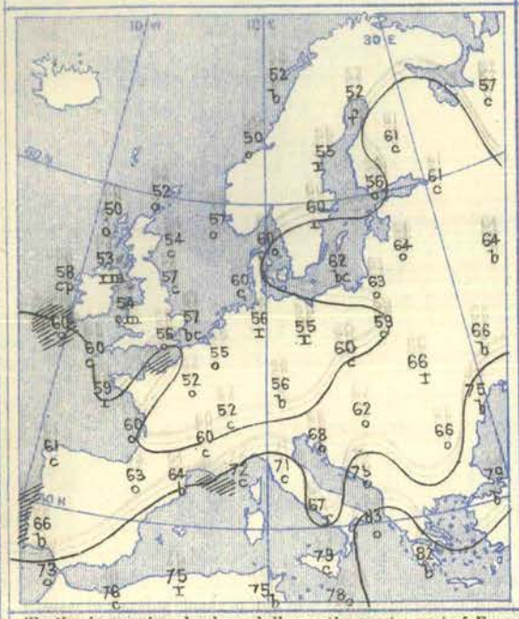
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

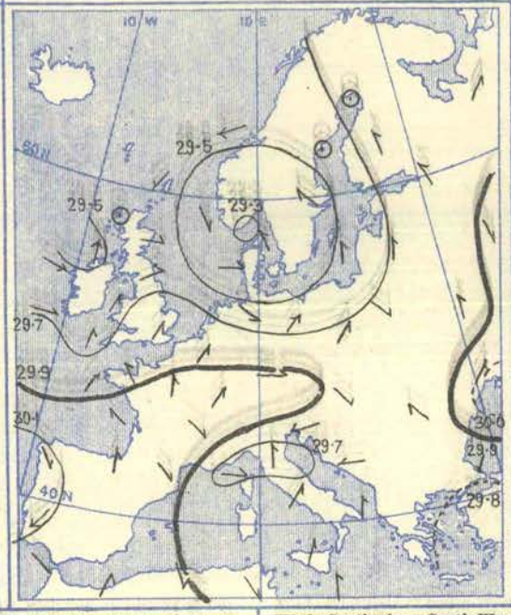
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 5th August.

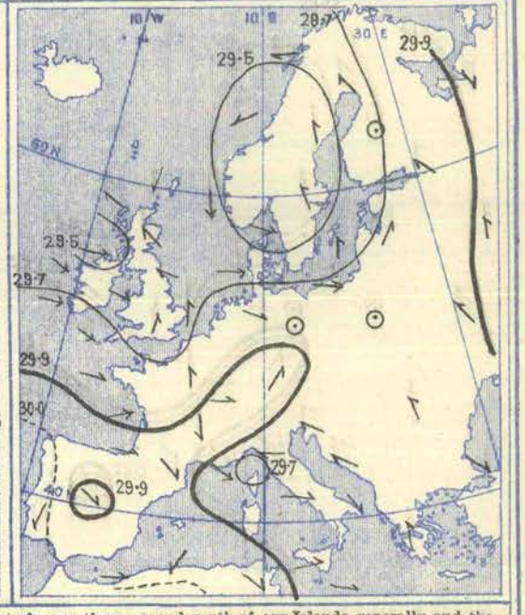
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m



Weather in morning cloudy or dull over the greater part of Europe, with rain at several of our own western stations, as well as over north Germany, central Sweden and at Lemberg and Naples. Fine in the east of Scotland and also over Russia, Greece, the Spanish Peninsula and the extreme south of France. Rain falling later over the whole of Ireland and England, as well as in many parts of the Continent—heavily at Cuxhaven, and still more heavily (2·3 ins.) at Rome. Thunderstorms occurring at several of the English stations.

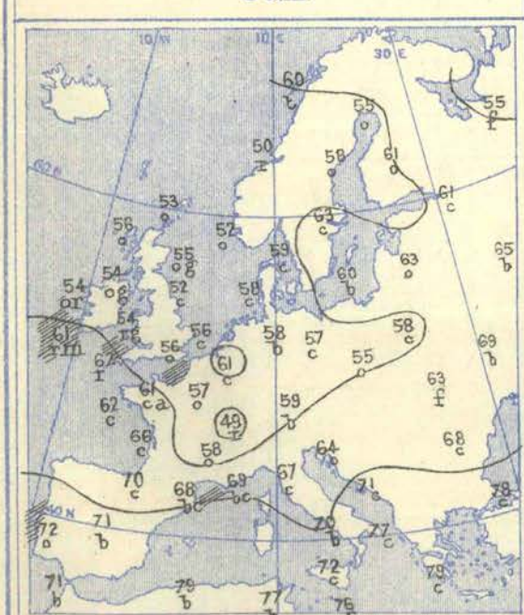
Temperature changed very irregularly in our Islands, fallen at most of the Continental stations. Morning readings highest, 83° at Brindisi, 82° at Patras, and 79° at Palermo; above 70° in many parts of southern Europe. Lowest, 50° at Christiansund and Stornoway, and 52° at Bodö and Sumburgh Head; slightly below 55° in several parts of the United Kingdom. Daily maxima below 65° at all but a few of our extreme southern and south-western stations, and below 60° on some parts of our northern coasts. Thermometer exceeding 75° over southern Europe generally, the highest readings reported being 95° at Brindisi and 92° at Madrid.

Wind—Southerly or South-Westerly over the west and south of our Islands generally and the neighbouring parts of the Continent, but Westerly in the west and south of Ireland. Westerly or North-Westerly on the east coasts of Great Britain and on the eastern shores of the North Sea, South-Westerly in Germany, Southerly or South-Easterly over the Baltic and the south of Sweden, North-Easterly in the west of Norway. North-Westerly over Spain and the south of France, South-Westerly or Southerly in Italy; Easterly over the Adriatic. Subsequently veering to the Westward in the south of our Islands, but shifting to the South-Eastward in Scotland.

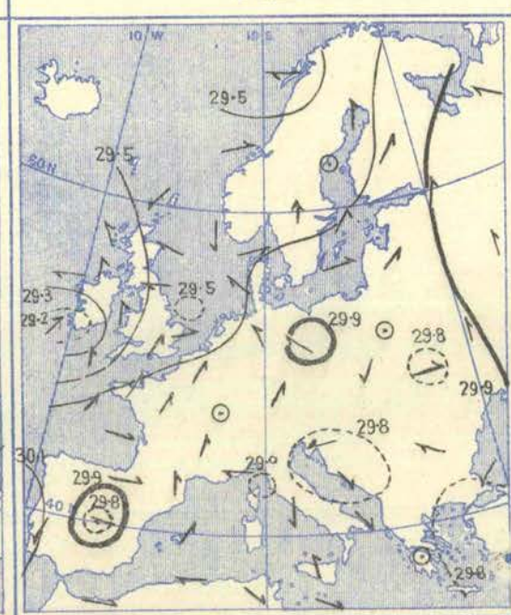
Barometer highest, 30·0 ins. to 30·1 ins. and upwards in an anticyclone over the Spanish Peninsula and the south-west of France. Lowest, 29·4 ins. and less in a depression over Denmark and the south of Scandinavia; 29·5 ins. and less in another disturbance off the north-west of Ireland; 29·7 ins. and less in a third over northern Italy and the Gulf of Genoa. Scandinavian depression subsequently moving northwards; Irish disturbance remaining almost stationary, but secondary system forming over our west coasts and advancing eastwards over England.

Monday, 6th August.

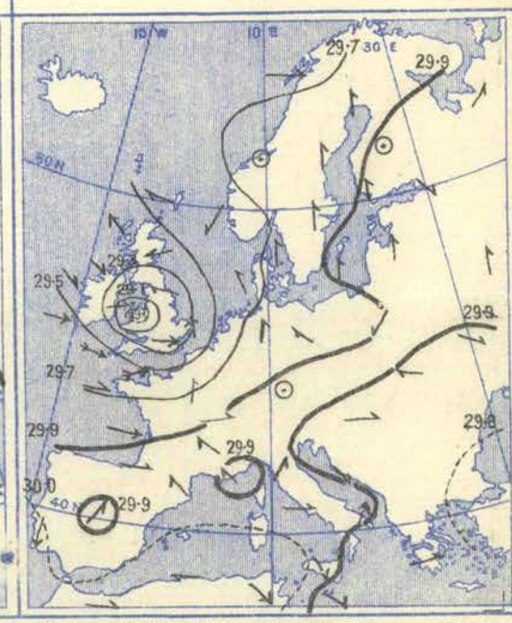
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and dull over the United Kingdom generally, with rain in the west and south-west. Fine over southern and eastern Europe as a whole, as well as in the Netherlands and the south of Denmark; cloudy in other parts of the Continent, with rain at Christiansund and also at Belfort. Rain falling later over western and central Europe generally—heavily at many of our own western and northern stations; thunderstorms occurring at Spurn Head and Liverpool.

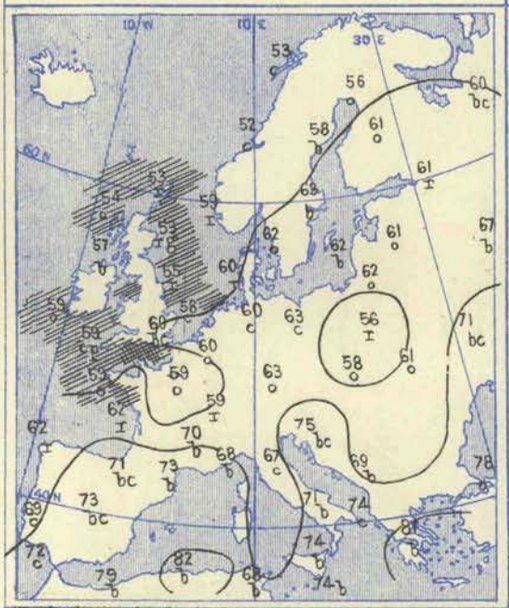
Temperature changed little and very irregularly. Morning readings highest, 79° at Athens, Patras, and Algiers; above 75° at several of the Mediterranean stations, and above 70° over the Spanish Peninsula. Lowest, 50° at Christiansund, 51° at Parsonstown, and 52° at Shields and Skudesnaes; below 55° at several of our own northern stations, where the thermometer in many cases remained below 60° all day. Daily maxima below 65° at many even of our southern stations; thermometer exceeding 80° in several parts of southern Europe, the highest readings reported being 95° at Madrid, and 87° at Constantinople.

Wind—South-Westerly over the south of our islands and the greater part of France, and fresh or strong in force on our south-west coasts; light from the Eastward or South-Eastward over the northern parts of the kingdom. Southerly and South-Westerly over Finland, Scandinavia, and the Baltic; variable in Austria and the south of Russia; North-Westerly in Italy, variable over the Spanish Peninsula and the south of France. Subsequently increasing to a gale from the Westward or South-Westward over the western and southern parts of our islands generally, and freshening considerably from the Eastward in Scotland.

Barometer highest, 30·1 ins. and upwards over and to the westward of Portugal; highest, 30·0 ins. and upwards over central Russia. Lowest, 29·2 ins. and less in a deep depression with its centre off the south-west of Ireland, close to Valencia; 29·5 ins. and less in a shallow disturbance off the north-west of Norway. Former depression subsequently advancing in an east-north-easterly direction across Ireland and England; barometer rising again quickly on our south-west coasts.

Tuesday, 7th August.

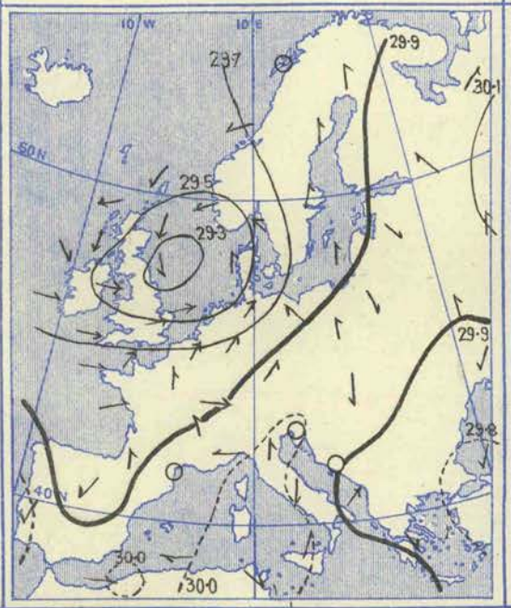
Temperature and Weather. 8 a.m.



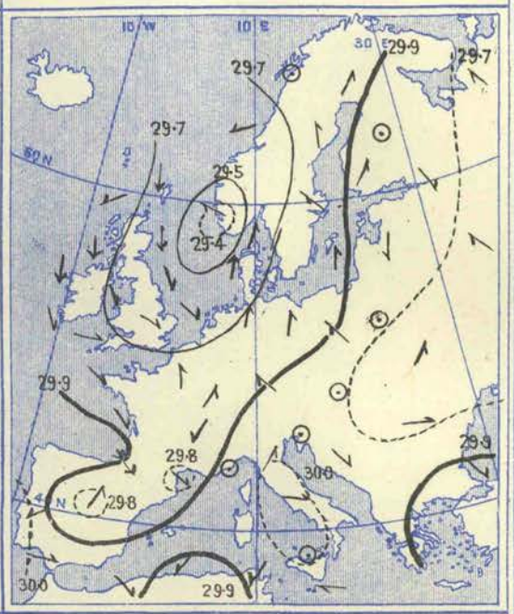
Weather in morning fine in the south of our Islands, but dull and rainy in all the more northern districts. Fine over southern and eastern Europe and also in Sweden; cloudy in other parts of the Continent, with rain in central France, as well as at Fanö, Skudesnaes and some of the stations in western Russia. Showers falling later over our own southern districts, with thunder and lightning at Roches Point, and heavy rain in many parts of France—as much as 1·6 ins. at Lyons and 1·5 ins. at Gap and Besançon.

Temperature risen generally, but fallen in Scotland and also in the south-west of our Islands and the west of France. Morning readings highest, 82° at Algiers, 81° at Patras, La Calle and Aumale, and 79° at Athens and Nemours; above 70° over southern Europe generally. Lowest, 51° at Nairn, 52° at Christiansund, and 53° at Bodö, Sumburgh Head, Aberdeen and Liverpool; below 55° at several of our own northern stations. Daily maxima below 60° in the north of our Islands and below 65° even in some parts of our southern districts; thermometer exceeding 70° in Germany, and exceeding 80° over southern Europe, the highest reading reported being 88° at Marseilles, Barcelona and Palma.

Barometer and Wind. 8 a.m.



6 p.m.

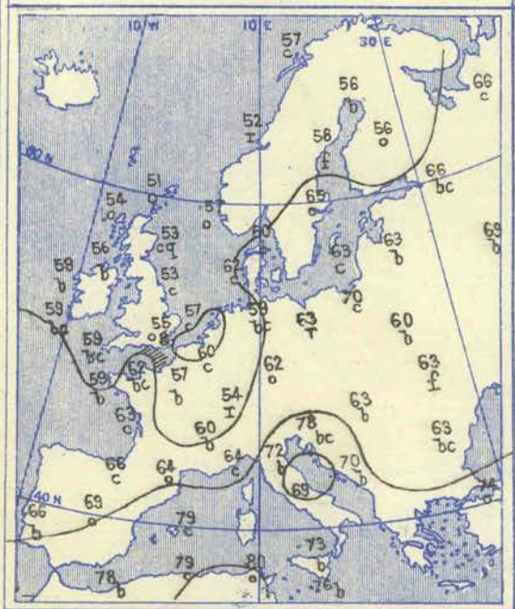


Wind strong in force over north-western Europe generally—from the North-Eastward in the west of Norway and the north of our Islands, but from the Westward or South-Westward over the southern parts of the United Kingdom, the Netherlands and the north of France. Light to moderate from the Southward or South-Eastward over Germany, Denmark and Sweden. Calm or variable over southern and south-eastern Europe generally. Subsequently falling moderate in most of the north-western countries, and veering to the North-Westward in the east of England.

Barometer highest, 30·1 ins. and upwards in central Russia; 30·0 ins. and upwards over the south-west of Portugal and the western parts of the Mediterranean. Lowest, 29·3 ins. and less in a depression over the North Sea and the north-east of England; 29·8 ins. and less in a shallow area over Turkey and Asia Minor. Depression over North Sea moving north-eastwards during day, but small secondary systems passing southwards over Great Britain; barometer rising in most parts of the United Kingdom.

Wednesday, 8th August.

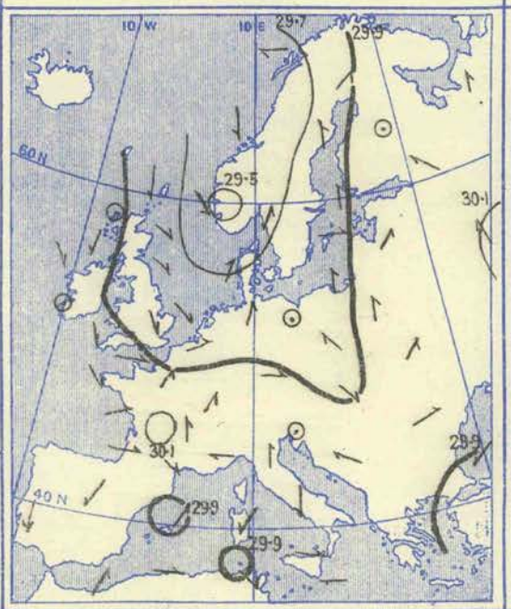
Temperature and Weather. 8 a.m.



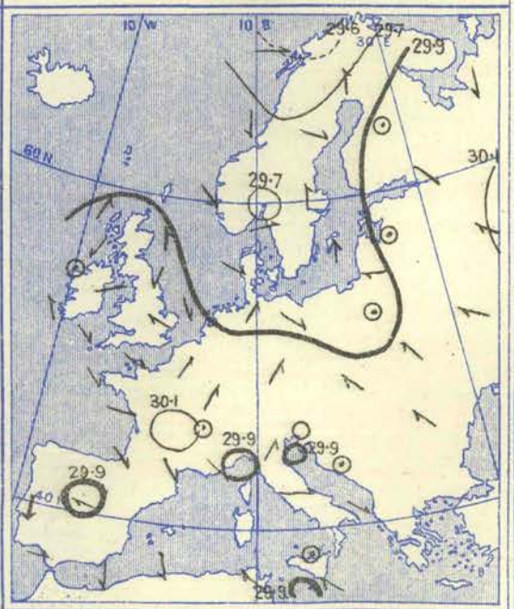
Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull over eastern and central England, with passing showers at Spurn Head. Cloudy or dull also in Norway, Denmark and Germany, with rain at Christiansund, Berlin and Frankfürt. Some improvement taking place later over England, but rain setting in at night in the west of our Islands and falling heavily in the south of Ireland. Considerable quantities falling also in Germany and smaller amounts in many parts of northern and central Europe.

Temperature fallen in England, France and Spain; risen in most other countries. Morning readings highest, 81° at Stax and Aumale, 80° at La Calle, and 79° at Palma; considerably above 70° at most of the Mediterranean and Adriatic stations. Lowest, 51° at Sumburgh Head, 52° at Christiansund, and 53° at Nairn, Aberdeen, Shields and Loughborough; slightly below 55° in many parts of the United Kingdom. Remaining below 60° all day on the east coasts of England, and below 65° in most other parts of our Islands; exceeding 70° in France and exceeding 80° in Spain, Italy and Austria, the highest readings of all being 89° at Madrid and 88° at Brindisi.

Barometer and Wind. 8 a.m.



6 p.m.

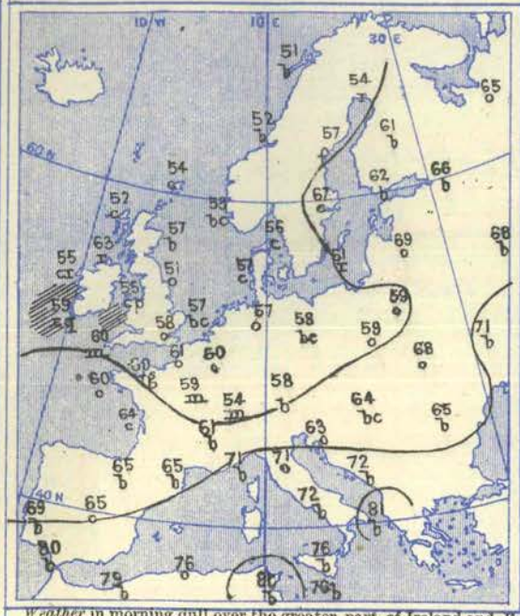


Wind light to moderate from the Northward or North-Westward in our Islands, from the Westward in the north and west of France, from the South-Westward in central France, the Netherlands and Denmark, and from the Southward in Sweden. Variable over central and southern Europe generally, but Northerly or North-Easterly over the Spanish Peninsula. Subsequently veering to the North-Westward in the Netherlands and the north of France, but backing to the Southward in the south of Ireland; shifting to East over the northern parts of England and Ireland.

Barometer highest, 30·1 ins. and upwards over central Russia; 30·0 ins. and upwards over the Bay of Biscay, the north of Spain and the southern parts of France. Lowest, 29·5 ins. and less in a depression with its centre over the extreme south of Norway; 29·9 ins. and less in a shallow area over Asia Minor. Norwegian depression moving slowly eastwards during day; new disturbance beginning to approach the Irish coasts.

Thursday, 9th August.

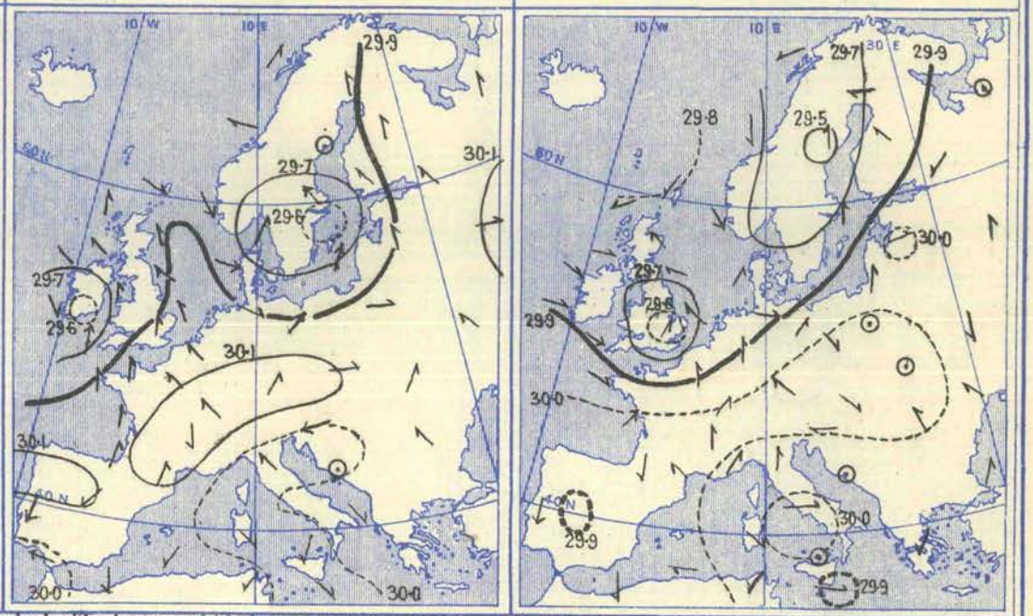
Temperature and Weather. 8 a.m.



Weather in morning dull over the greater part of Ireland and England, with rain at several of our western stations, as well as at Leith; fine in the north and east of Scotland. Fine in Russia, Germany, Austria, and southern Italy, as well as in the west of Norway. Cloudy in most other parts of the Continent, with rain in Sweden, and also at Leghorn. Rain falling later over north-western and northern Europe generally, but not in Scotland; amount considerable in many parts of Ireland and England.

Temperature fallen over the central parts of the Continent, but changed very irregularly elsewhere. Morning readings highest, 83° at Tunis, 81° at Brindisi, La Calle, and Sfax, and 80° at San Fernando; above 70° at most of the Mediterranean and Adriatic stations, and above 65° over nearly the whole of Russia. Lowest, 51° at Bodö, Leith, and Shields, and 52° at Christiansund and Parsonstown; below 55° in several parts of the United Kingdom. Remaining below 60° all day in many parts of Great Britain, and also in central Ireland; thermometer exceeding 70° over France, and exceeding 80° over southern Europe, the highest readings of all being 94° at Madrid, and 93° at Cagliari.

Barometer and Wind. 8 a.m. and 6 p.m.

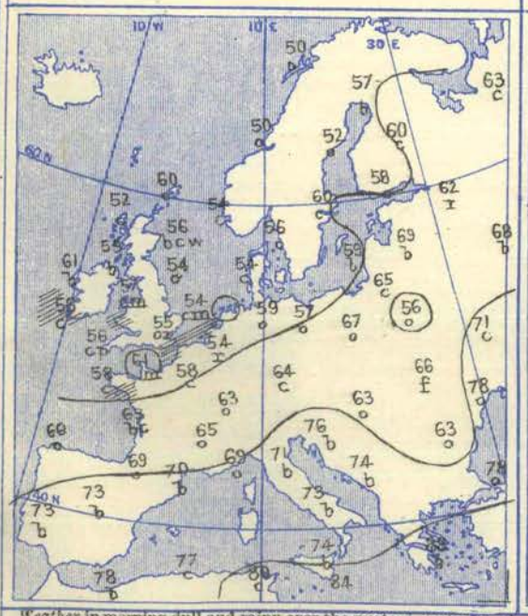


Wind moderate to fresh from the Southward over our southern coasts but light from the South-Eastward over all the more northern and eastern parts of the United Kingdom, and strong from the Northward at Valencia (Ireland). Strong from North-West on the eastern shores of the North Sea; light to fresh from South-West over Germany and the Baltic, but blowing a gale at Wisby. South-Easterly over the northern parts of Sweden and Russia. Variable over southern and south-eastern Europe generally, but Northerly or North-Easterly over the Spanish Peninsula. Subsequently veering to the Westward or North-Westward over all the more southern parts of our islands and increasing to the force of a gale.

Barometer highest, 30·1 ins. and upwards in three areas — one lying over the north of Spain, another over the southern parts of France and Germany, and the third over central Russia. Lowest, 29·6 ins. and less in two depressions — one lying over the south of Ireland and the other over the south of Sweden. Irish depression subsequently advancing eastwards across the south of England; Swedish disturbances moving northwards.

Friday, 10th August.

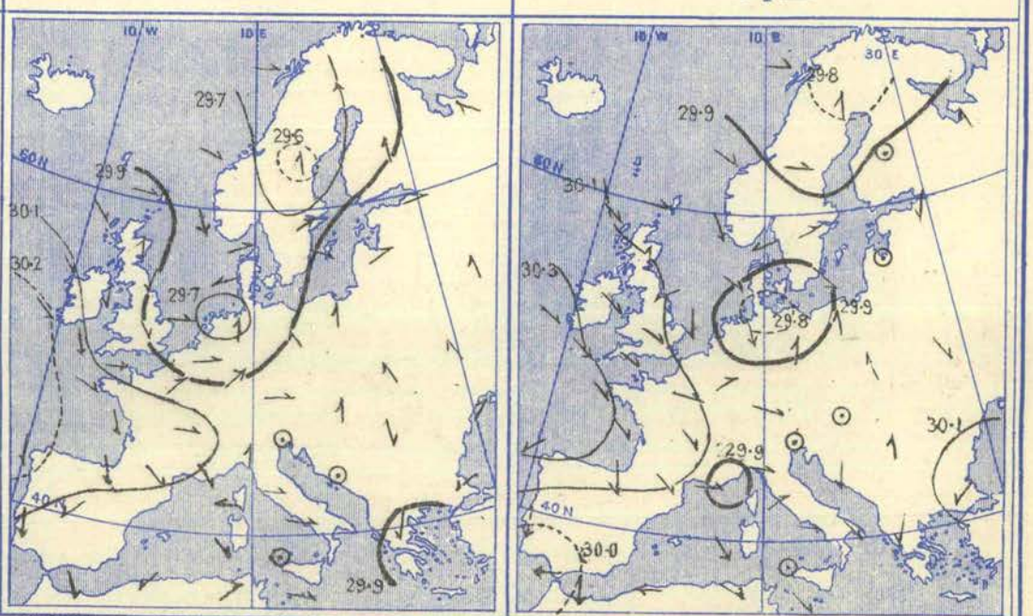
Temperature and Weather. 8 a.m.



Weather in morning dull and rainy over the western, eastern, and central parts of England, but fine in many parts of Ireland and Scotland. Cloudy and dull over the greater part of the Continent, with rain at Faerder, St. Petersburg, Brussels, and Bilbao; fine in Italy, Spain, and the south of France. Rain falling during day in several parts of Scandinavia, Denmark, and Germany; thunderstorms occurring at Vienna, and thunder heard at Paris.

Temperature risen in Ireland, Scotland, and also over the central and southern parts of the Continent; changed rather irregularly elsewhere. Morning readings highest, 85° at Athens, 84° at Malta, 80° at La Calle, 79° at Cagliari; above 70° over southern and south-eastern Europe generally. Lowest, 50° at Bodö and Christiansund, 52° at Faerder and Karlstad, and 53° at Loughborough; below 55° in several parts of England. Daily maxima below 65° in most parts of England and Ireland, but thermometer exceeding that point in Scotland, and reaching 70° at Nairn; exceeding 80° over southern Europe generally, and exceeding 90° over the southern parts of Spain and Italy, the highest reading of all being 91° at San Fernando.

Barometer and Wind. 8 a.m. and 6 p.m.

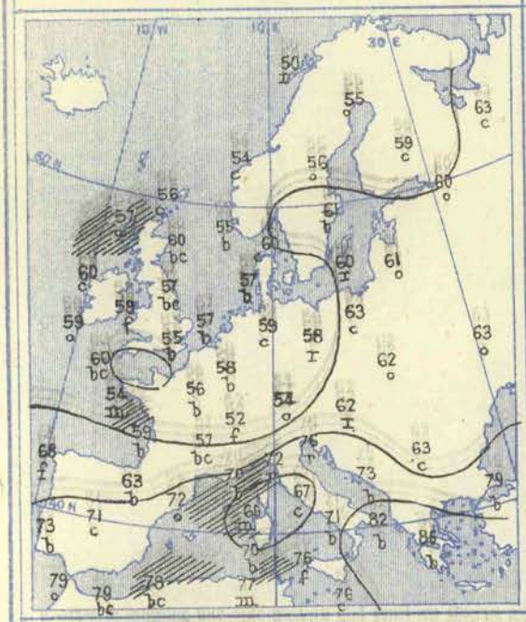


Wind Northerly and North-Westerly over the United Kingdom generally and the west of France; light and moderate in force in most places, but fresh and strong on our own south-west coasts. South-Westerly over central France, Belgium and Germany; Southerly over the Baltic, Sweden, and Finland. Light and variable over Austria and Italy; Northerly and North-Easterly over the Spanish Peninsula. Subsequently veering to the Northward and North-Westward over the western parts of the Continent generally.

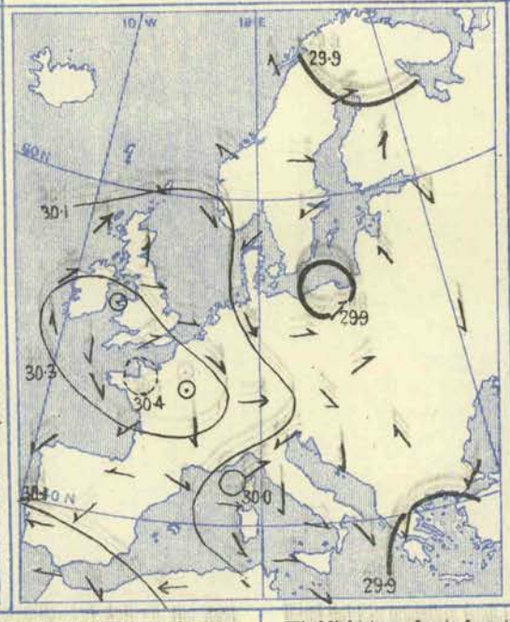
Barometer highest, 30·2 ins. and upwards in an anticyclone lying to the south-westward of our Islands. Lowest, 29·6 ins. and less in a depression over central Sweden; 29·7 ins. and less in another disturbance over Holland and north-western Germany. Anticyclone subsequently extending eastward and northward over our Islands and France; Swedish depression moving northwards; disturbance over Holland travelling slowly eastwards.

Saturday, 11th August

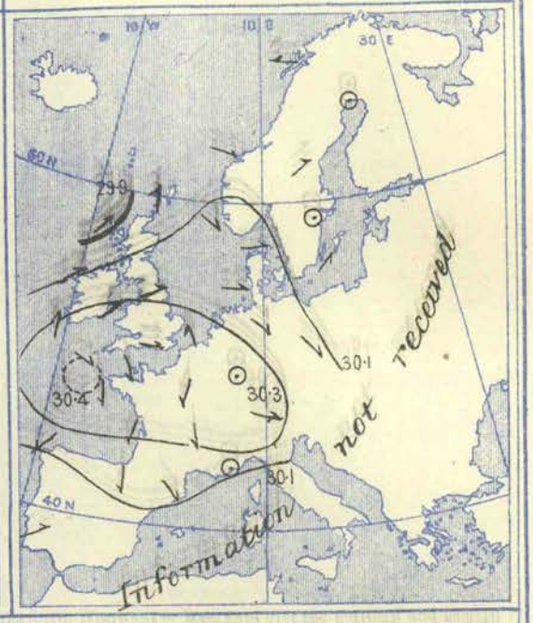
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fine over western and southern Europe generally, but dull on the west coasts of Ireland and Scotland. Cloudy or dull in most of the northern and central countries, and also over northern Italy; with rain at Bodö, Wisby, Copenhagen, Berlin and Cracow. Heavy rain falling later in many parts of Scotland and the north-east of England, and smaller quantities in the west of Norway, and also in Germany and the south of Sweden.

Temperature risen a little in our Islands and Scandinavia, but fallen elsewhere. Morning readings highest, 86° at Athens, 82° at Brindisi, 81° at Oporto, and 79° at San Fernando and Nemours; above 70° over southern Europe generally. Lowest (1), 50° at Bodö and 53° at Karlstad; (2), 50° at Limoges, 52° at Belfort, and 53° at Le Manz; lowest in our Islands, 55° in London. Rising during day to between 65° and 70° in many parts of Great Britain and France, and to 72° in London and at Loughborough; exceeding 80° in the extreme south of France, and reaching 84° at Lisbon.

Wind light to moderate from the South-Westward or Westward over the northern and eastern parts of our Islands, but light from the Northward in the English Channel and from the North-Eastward or Eastward over the west of France and the Spanish Peninsula. Light from the South-Eastward in the west of Norway; Northerly or North-Westerly over Denmark and the south of Norway; Westerly or South-Westerly in Germany; variable in Austria; Northerly or North-Westerly in Italy. South-Westerly wind blowing strongly later in Scotland and the north of Ireland; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upwards in the north-west of France, 30·1 ins. and upwards in an anticyclone lying over western Europe generally. Lowest, 29·9 ins. and less (1), over the extreme north of Scandinavia; (2), in a depression over the Baltic; (3), in a shallow area over Asia Minor. Baltic depression subsequently moving eastwards, new disturbance appearing off the north-west of Scotland in evening and moving eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inc[illegible] and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thu ⟶⟶⟶ = a heavy gale ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Throughout the greater part of the week anticyclonic systems of irregular form and of slight intensity lay over various parts of southern and eastern Europe, the wind in those regions being mostly light and variable and the weather fine and warm. An exception to this state of things was, however, noticed at the beginning of the time, when a well marked depression, which lay over northern Italy, caused heavy rain in some parts of that country.

Over north-western, northern and central Europe the weather was very disturbed, and mostly cool for the time of year. A shallow and complex depression, which spread over our Islands on the 5th, was followed by two deeper disturbances, the centres of which advanced directly over the United Kingdom and afterwards passed on to the Continent. The first of these arrived off the south-west of Ireland early on the 6th, and subsequently moved, firstly, in an east-north-easterly direction across Ireland and England, and afterwards in a more northerly direction to the south of Norway, where the system gradually dispersed. During its progress heavy rain fell over Ireland and all the more central parts of Great Britain, while westerly gales of considerable severity for the time of year were experienced on our western and southern coasts and the neighbouring parts of the Continent. The second depression appeared over the south of Ireland on the night of the 8th, its centre afterwards travelling in an almost due easterly direction across the south of England, the Netherlands, and north Germany. The disturbance was less deep than that of the 6th, but its passage was again attended by considerable falls of rain and by gales from west or north-west over many parts of our south and south-west coasts.

As the latter depression passed away a large anticyclone spread from the Atlantic over the greater part of western Europe. The winds consequently fell light and the weather became finer and warmer. At the close of the week, however, a new disturbance, which appeared off our extreme northern coasts, occasioned a considerable increase of the south-westerly wind in Scotland, with heavy rain both in that country and in the north-east of England.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 188.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	56·0	?	51	?	BRIGHTON	30·3	−17·7	29	−18
STRATHPEFFER SPA	33·2	+ 7·0	30	+ 7	WORTHING	31·3	?	30	?
EDINBURGH	12·2	−20·6	11	−19	BOGNOR	30·4*	?	30*	?
MORPETH	18·0	?	17	?	WATERGATE (Emsworth)	26·0	?	25	?
NEWCASTLE-ON-TYNE	15·1	?	14	?	WESTBOURNE (Emsworth)	33·8*	+12·7	33*	−12
OSWALDKIRK (Yorkshire)	20·6	−11·8	19	−10	VENTNOR HOSPITAL	26·4	?	26	?
YORK					SOUTHPORT	23·8	?	22	?
LOWESTOFT		?		?	RHYL	23·9*	?	23*	?
HOLLESLEY BAY	33·6	?	32	?	COLWYN BAY		?		?
SHEFFIELD	15·5	?	14	?	ABERDOVEY	33·1*	?	32*	?
WORKSOP	13·4	−21·1	13	−19	TENBY	41·9	− 0·1	40	− 1
THURCASTON (Leicestershire)	21·1	−15·6	20	−15	NEWQUAY	55·7	+10·6	54	+10
MARGATE	26·1	−16·6	25	−16	TORQUAY	52·8	+ 6·8	51	+ 7
EASTBOURNE	26·0	−20·8	25	−20	GUERNSEY	50·9*	− 2·5	50*	− 2

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 33.] *Third Series.* WEEK ENDING SATURDAY, AUGUST 18TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 194.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	83	42	67·2	52·3	59·3	4 above	121	+35	0	0	1400	+153	639	+ 16
	1. SCOTLAND, EAST	80	44	69·2	52·7	60·4	4 above	129	+27	0	0	1545	+ 8	697	+ 48
	2. ENGLAND, N.E.	76	46	67·7	52·7	59·7	2 above	124	+11	0	0	1737	+119	518	- 31
	3. ENGLAND, EAST	84	43	74·1	55·0	64·0	4 above	154	+28	0	0	2055	+154	530	- 87
	4. MIDLAND COUNTIES	82	40	75·4	52·2	63·1	4 above	148	+28	0	0	1996	+ 86	567	- 52
	5. ENGLAND, SOUTH	85	48	75·7	56·1	65·3	4 above	163	+30	0	0	2173	+122	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	78	43	69·4	51·7	60·1	3 above	127	+24	0	0	1713	+ 99	506	+ 44
	7. ENGLAND, N.W.	78	41	69·5	52·4	60·5	2 above	130	+15	0	0	1830	+ 93	452	- 7
	8. ENGLAND, S.W.	86	39	74·0	53.4	63·1	3 above	148	+28	0	0	2042	+106	336	- 25
	9. IRELAND, NORTH	86	38	70·2	52·6	60·9	4 above	132	+26	0	0	1765	+ 49	416	+ 21
	10. IRELAND, SOUTH	82	44	71·5	52·2	61·2	2 above	134	+19	0	0	2023	+ 77	373	+ 74
	—CHANNEL ISLANDS	79	53	71·5	58·2	64·4	3 above	157	+23	0	0	2446	+283	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 194.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	4	6 less	158	+ 9	27·6	- 0·5	39	+18	37	+17	819	+ 18	26	0
	1. SCOTLAND, EAST	1	1	7 less	131	+ 9	19·9	+ 1·2	44	+12	43	+13	851	- 84	28	- 2
	2. ENGLAND, N.E.	1	1	6 less	114	+ 1	18·6	+ 3·3	52	+18	50	+18	889	- 43	29	- 1
	3. ENGLAND, EAST	1	1	4 less	117	+ 7	16·8	+ 1·9	73	+31	72	+31	1216*	+ 64	38	+ 2
	4. MIDLAND COUNTIES	0	less than ½	6 less	110	+ 2	18·8	+ 2·0	62	+30	61	+31	1014	+ 69	35	+ 2
	5. ENGLAND, SOUTH	1	1	5 less	103	0	16·9	+ 0·6	80	+35	79	+35	1228	+ 72	40	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	1	4	6 less	140	+13	31·7	+ 2·0	54	+21	52	+20	974	- 16	32	0
	7. ENGLAND, N.W.	1	less than ½	8 less	120	+ 3	22·0	+ 2·7	67	+28	66	+27	1095*	+ 74	35	+ 2
	8. ENGLAND, S.W.	1	less than ½	8 less	125	+ 7	25·9	+ 2·9	86	+43	85	+42	1252	+ 62	42	+ 3
	9. IRELAND, NORTH	1	less than ½	8 less	149	+11	22·2	+ 1·5	59	+31	57	+30	983	+ 68	32	+ 2
	10. IRELAND, SOUTH	1	1	7 less	131	+ 6	26·3	+ 3·1	68	+36	67	+35	1043	+ 12	34	0
	— CHANNEL ISLANDS	1	less than ½	5 less	132	+ 9	19·9	+ 1·7	82	+29	82	+29	1378	+ 88	48	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was fine and warm generally, but became somewhat unsettled towards its close, with slight rain in many parts of the Kingdom, and a severe thunderstorm locally, with extremely heavy rain, in some of the southern suburbs of London.

Temperature was above the mean, the excess ranging from 2° over the northern counties of England and in the south of Ireland, to 3° or 4° elsewhere. The highest of the maxima were registered during the earlier days of the week, and varied from 86° in England S.W. and Ireland N., 85° in England S., 84° in the Midland Counties, and 83° in Scotland N., to 75° in England N.E. The lowest of the minima were also recorded during the earlier half of the week, and ranged from 38° in Ireland N., 39° in England S.W., 40° in the Midland Counties, and 41° in England N.W., to 48° in England S., and to 53° in the Channel Islands.

Rainfall was much less than the mean in all districts. In the southern suburbs of London, however, the fall during the thunderstorm on Friday afternoon ranged from between 0·40 in. and 1·2 ins.

Bright Sunshine greatly exceeded the mean in all parts of the Kingdom. The percentage of the possible duration ranged from 85 in England S.W., 82 in the Channel Islands, and 79 in England S., to 50 in England N.E., 43 in Scotland E., and 37 in Scotland N.

Barometer and Wind.—During this week an anticyclone travelled slowly north-eastwards over the United Kingdom to Scandinavia, and the winds, which were at first light from the Westward generally, gradually shifted to the Eastward in the south and south-east, and to the South-Eastward and Southward over our western and northern districts. In the latter part of the period shallow depressions approached the Channel and south of England from the Bay of Biscay and France, and other disturbances appeared from the Atlantic over our extreme north-western coasts.

* This value has been altered, owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 193 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	61	48	59·7	51·1	55·1	+ 2·2	92	0	2	0·19	- 0·56	*	*	*	*
	Stornoway	72	45	64·6	52·9	58·4	+ 4.2	115	0	3	0·25	- 0·59	43·2	+16·7	41	+16
	Wick	71	52	66·1	53·1	59·2	+ 4·5	120	0	3	0·27	- 0·35	*	*	*	*
	Lairg ℌ	83	43	75·4	49·9	61·9	+ 7·0	139	0	3	0·27	- 0·38	*	*	*	*
	Glencarron ℌ	77	42	66·1	51·4	58·3	+ 3·6	114	0	4	1·06	- 0·47	*	*	*	*
	Fort Augustus ℌ	79	46	70·6	53·1	61·3	+ 4·8	135	0	3	0·25	- 0·50	37·3	+ 20·5	36	+ 20
	Fort William ℌ	75	49	67·7	54·4	60·7	+ 3·7	131	0	4	0·34	- 1·03	41·9	+ 22·3	40	+ 22
1. SCOTLAND, E.	Nairn	80	47	72·3	52·6	61·9	+ 5·4	139	0	2	0·10	- 0·56	*	*	*	*
	Aberdeen	76	52	66·0	53·3	59·3	+ 2·9	121	0	0	-	- 0·74	40·5	+ 6·5	39	+ 7
	Braemar ℌ	75	44	68·0	50·7	58·8	+ 5·3	118	0	0	—	- 0·85	49·8†	+ 24·0†	47†	+ 23†
	Ochtertyre ℌ												*	*	*	*
	Leith	79	51	68·6	54·0	60·9	+ 2·5	132	0	0	-	- 0·63	*	*	*	*
	Marchmont ℌ	76	51	71·0	52·7	61·3	+ 5·3	135	0	1	0·04	- 0·76	53·5	+19·4	51	+18
2. ENGLAND, N.E.	Alnwick Castle	76	46	69·0	51·9	59·9	+ 3·3	125	0	2	0·09	- 0·62	*	*	*	*
	Durham	76	47	71·4	51·1	60·6	+ 2·5	130	0	1	0·06	- 0·60	55·6	+22·5	53	+21
	Shields	74	51	66·0	52·9	59·1	+ 1·4	120	0	1	0·06	- 0·60	*	*	*	*
	Scarborough ℌ	76	49	65·7	52·0	58·4	- 0·1	115	0	2	0·03	- 0.57	*	*	*	*
	Spurn Head	69	55	66·3	55·7	60·7	+ 1·2	131	0	1	0·04	- 0·38	*	*	*	*
3. ENGLAND, E.	Hillington ℌ	79	43	75·6	54·1	64·2	+ 4·3	155	0	1	0·62	- 0·03	70·6	+30·8	69	+30
	Yarmouth	70	55	67·7	57·3	62·2	+ 2·0	141	0	1	0·09	- 0·46	*	*	*	*
	Geldeston	79	50	72·9	53·4	62·6	+ 2·4	144	0	0	—	- 0·48	64·8	+21·8	64	+22
	Cambridge	84	52	79·6	54·2	66·1	+ 5·2	169	0	1	0·03	- 0·52	78·6	+37·5	78	+38
	Felixstowe	78	55	72·9	56·9	64·4	+ 4·6	157	0	0	—	?	77·5	?	77	?
	Rothamsted	80	52	75·8	54·3	64·4	+ 4·7	157	0	1	0·01	- 0·57	76·6	+33·9	76	+34
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	78	50	74·4	53·9	63·5	+ 4·1	151	0	0	—	- 0·53	*	*	*	*
	Loughborough	82	49	77·4	52·3	64·1	+ 3·5	155	0	0	—	- 0·55	*	*	*	*
	Cheadle ℌ	77	50	72·5	52·4	61·9	+ 4·5	139	0	0	—	- 0·80	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	79	51	74·3	54·1	63·6	+ 4·2	151	0	0	—	- 0·66	49·2	?	49	?
	Churchstoke ℌ	82	40	75·7	47·6	60·8	+ 3·2	132	0	0	—	- 0·62	72·6	+35·6	71	+35
	Hereford (Belmont) ℌ	80	44	75·6	49·5	61·8	+ 1·9	139	0	0	—	- 0·56	*	*	*	*
	Cirencester	80	47	75·7	53·3	63·8	+ 5·4	153	0	0	-	- 0·70	74·4	+33·6	74	+35
	Oxford	81	52	77·9	54·3	65·4	+ 4·8	164	0	1	0·25	- 0·30	71·3	+29·7	71	+30
5. ENGLAND, S.	London	84	53	80·3	56·6	67·8	+ 5·9	181	0	1	0·40	- 0·14	73·4†	+25·4†	73†	+36†
	Swarraton (Alresford) ℌ	82	48	77·4	52·4	64·2	+ 3·0	155	0	0	—	?	*	*	*	*
	Dungeness	73	54	70·9	57·6	63·9	+ 2·2	153	0	0	—	- 0·48	74·3	?	74	?
	Hastings (St. Leonards)	79	55	73·1	57·8	64·9	+ 3·6	160	0	0	—	- 0·56	83·1	+36·3	82	+37
	Southampton	85	52	81·1	56·1	67·9	+ 6·2	181	0	1	0·09	- 0·53	79·2	+33·2	78	+33
	Portland Bill	75	53	71·3	56·4	63·4	+ 2·5	150	0	0	—	?	*	*	*	*
	Shaftesbury ℌ	81	53	75·8	55·6	65·1	+ 5·5	162	0	0	—	- 0·66	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	77	48	69·4	54·7	61·6	+ 4·9	137	0	4	1·65	+ 0·41	*	*	*	*
	Glasgow	78	53	69·1	54·0	61·1	+ 4·4	134	0	0	—	- 0·90	36·1	+ 7·1	35	+ 7
	Glenlee ℌ	76	43	71·0	48·1	58·9	+ 2·2	118	0	0	—	- 1·08	*	*	*	*
	Douglas (Isle of Man)	69	45	68·1	50·1	58·6	+ 1·7	116	0	1	0·01	- 0·87	71·0	+33·6	69	+33
7. ENGLAND, N.W.	Newton Reigny	76	41	72·5	45·2	58·0	+ 1·0	112	0	0	—	?	67·2	?	65	?
	Stonyhurst	74	46	69·6	52·0	60·3	+ 2·4	128	0	1	0·09	- 1·09	59·3	+27·1	58	+27
	Blackpool ℌ	74	48	67·9	52·6	59·8	+ 0·4	125	0	0	—	- 0·77	50·7	+15·2	49	+16
	Manchester (Prestwich)	74	48	72·7	51·5	61·5	+ 3·0	137	0	1	0·02	- 0·83	53·7	?	52	?
	Liverpool Obsy. (Bidston)	72	53	68·1	55·3	61·3	+ 1·6	135	0	0	—	- 0·66	69·5	?	68	?
	Llandudno ℌ	78	53	70·6	55·1	62·4	+ 2·3	143	0	0	—	- 0·60	75·2	+41·0	74	+40
	Holyhead	68	54	65·3	55·3	60·0	+ 1·0	126	0	1	0·02	- 0·65	*	*	*	*
8. ENGLAND, S.W.	Llandovery	86	39	79.3	47·3	62·3	+ 3·3	142	0	0	—	- 1·06	*	*	*	*
	Pembroke	74	56	68·1	57·1	62·3	+ 3·3	142	0	2	0·02	- 0·65	83·3	+41·1	82	+40
	Clifton	83	55	76·2	56·5	65·8	+ 5·7	167	0	0	—	- 0·80	*	*	*	*
	Arlington (N. Devon)	80	46	74·0	50·9	61·8	+ 3·4	139	0	0	—	- 1·20	*	*	*	*
	Cullompton ℌ	83	44	78·1	49·8	63·1	+ 3·1	148	0	0	—	- 0·65	79·8	+40·0	79	+40
	Falmouth	73	52	68·6	58·8	63·4	+ 3·2	159	0	3	0·02	- 0·80	88·9	+42·9	89	+43
	Plymouth	78	48	73·4	53·5	62·9	+ 1·7	146	0	0	—	- 0·68	88·5	+46·4	88	+47
9. IRELAND, N.	Malin Head	80	54	67·1	56·7	61·6	+ 4·1	137	0	0	-	?	*	*	*	*
	Londonderry	86	47	74·3	53·8	63·4	+ 5·7	150	0	0	-	- 0·89	*	*	*	*
	Edenfel (Omagh)	81	44	72·0	51·4	61·1	+ 4·7	134	0	1	0·07	- 0·81	*	*	*	*
	Blacksod Point	75	46	66·7	54·0	60·0	+ 1·9	126	0	1	0·06	?	*	*	*	*
	Markree Castle	80	38	72·0	48·1	59·3	+ 2·5	121	0	2	0·06	- 0·87	56·6	+29·4	55	+29
	Armagh	79	46	71·8	51·3	60·9	+ 3·4	132	0	2	0·08	- 0·65	60·8	+34·8	59	+34
	Donaghadee	72	49	67·4	52·9	59·7	+ 2·4	124	0	1	0·01	- 0·74	*	*	*	*
10. IRELAND, S.	Dublin	75	53	70·7	55·3	62·5	+ 3·3	144	0	1	0·03	- 0·64	70·3	+35·4	69	+35
	Parsonstown	82	48	74·1	51·0	61·9	+ 3·8	139	0	1	0·10	- 0·75	72·4	+42·8	71	+42
	Kilkenny	78	44	72·7	49·1	60·2	+ 1·3	127	0	0	-	- 0·79	*	*	*	*
	Roche's Point	70	50	66·9	53·9	60·0	+ 0·5	126	0	1	0·35	- 0·55	*	*	*	*
	Valencia	79	48	70·4	54·1	61·8	+ 2·9	139	0	2	0·19	- 0·90	62·1	+29·3	61	+29
	Killarney	82	47	72·9	51·6	61·6	+ 2·7	137	0	1	0·19	?	*	*	*	*
	Foynes	82	45	72·5	50·3	60·7	+ 2·5	131	0	1	0·08	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	70	57	68·0	57·7	62·5	+ 2·0	144	0	1	0·07	- 0·51	79·6	?	80	?
	Jersey	79	53	74·9	58·6	66·3	+ 3·6	170	0	0	-	- 0·56	85·1	+30·9	85	+31

Stations marked ℌ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

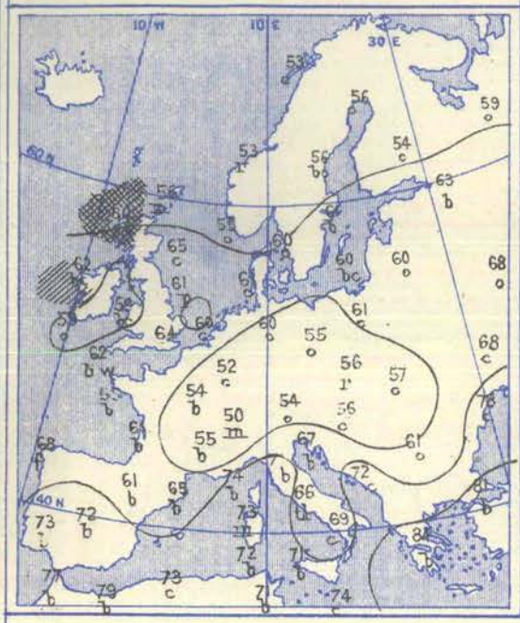
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

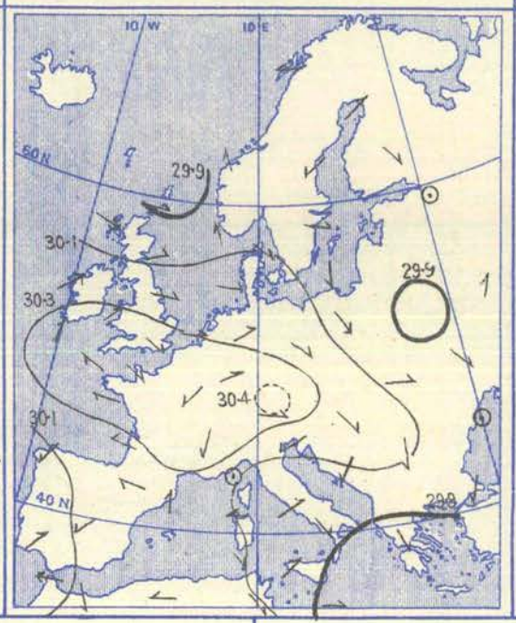
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake

Sunday, 12th August.

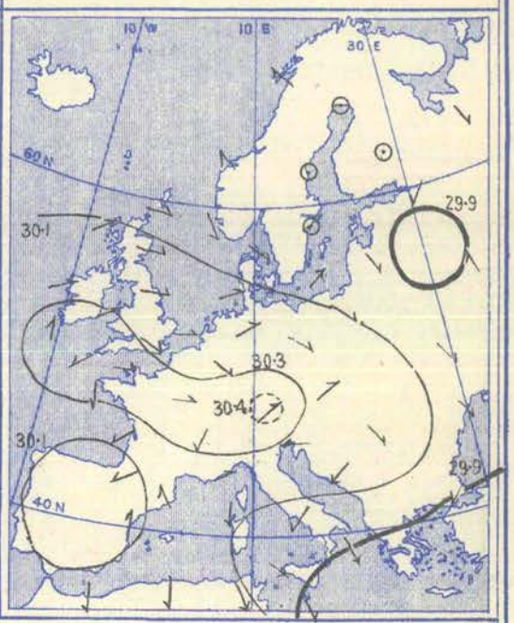
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m



Weather in morning fine and bright over the Mediterranean, Spain, France, and the greater part of England and Ireland, also over Sweden, and the western Baltic; cloudy over Russia, raining in the west of Norway and the north of the United Kingdom. Rain later over Scandinavia, (1·2 ins. at Christiansund), and in the north of Scotland, and a few hundredths of an inch at Yarmouth; considerable sporadic falls in Italy and Austria.

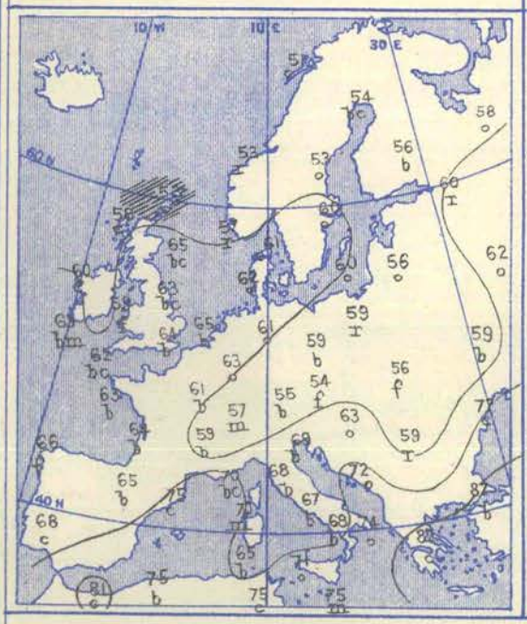
Temperature risen over the British Islands, fallen over Germany. Morning readings highest, 84° in Greece, 79° at Nemours, and above 70° over the Mediterranean and Adriatic generally; 81° to 73° on the shores of the Black Sea; above 60° over Russia and the southern parts of England. Lowest, 53° in the north-west of Norway, 54° at Hangö, 56° at Sumburgh Head, 59° at Malin Head. Rising later to between 77° and 79° over England, to 74° at Paris, 86° at Rochefort and Palermo, to 95° at Aumale, and 97° at Laghouat.

Wind (1) very light and variable (anticyclonic) over the western parts of continental Europe. (2) Westerly (light, but cyclonic) over the northern parts of our Islands, Southerly in the west of Norway, Easterly at Bodö; (3) Northerly to North-Westerly over the Baltic, Westerly over central Germany, variable over Russia; (4) North-Easterly to Northerly over the Italian side of the Mediterranean. Freshening later in the latter region, not much change elsewhere.

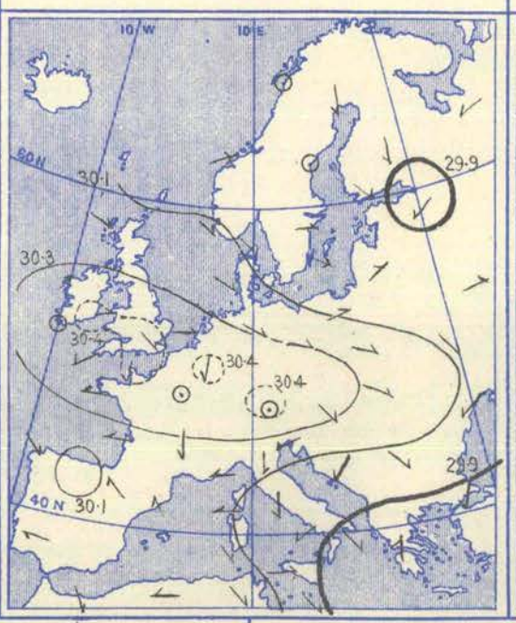
Barometer highest, 30·5 ins. to 30·2 ins. in an anticyclone covering the western half of continental Europe, the Bay of Biscay, Ireland and England. Lowest, 29·9 ins. and less in a depression off the north of Scotland, in another over Russia, and in a third over Greece and the south of Italy; (2) 30·1 and less over Portugal. Rising later over Scotland, falling over Spain.

Monday, 13th August.

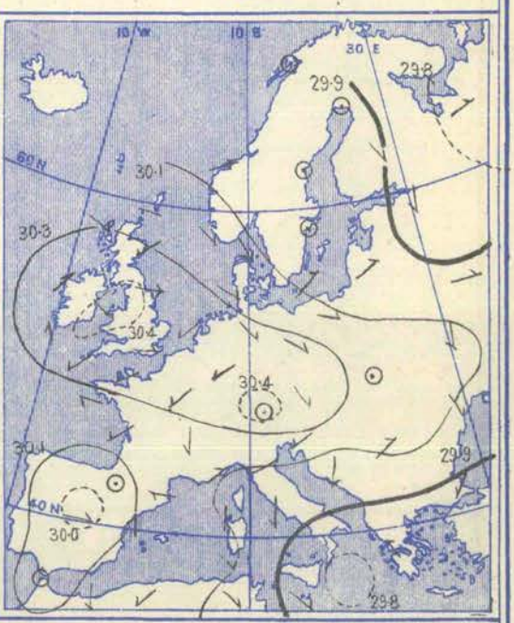
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Italy, central Europe, France, England and many parts of Ireland, also in the south of Russia and over Finland; more or less cloudy elsewhere; raining in the west of Norway, at St. Petersburg and Neufahrwasser. Some rain later, sporadically, at a few stations over continental Europe (0·43 in. at Christiansund), fine, bright weather over the western and south-western countries.

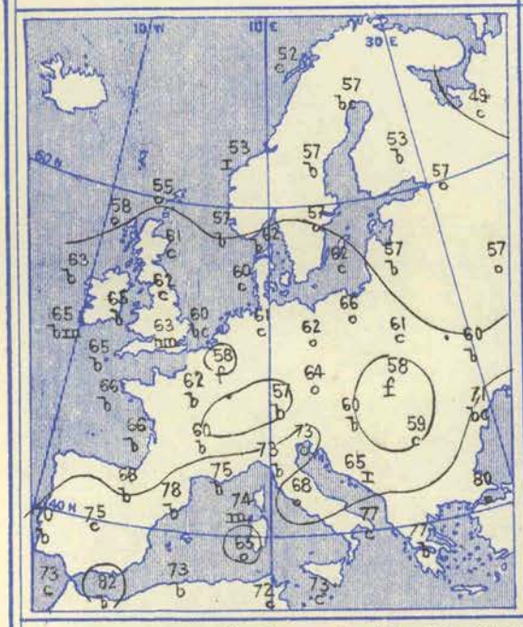
Temperature in morning highest, 82° at Constantinople and Athens, 81° at Patras, Nemours, and Oporto and above 70° over the Mediterranean, Adriatic and south of Russia, very irregularly distributed over central Europe and the British Islands. Lowest, 51° at Bodö, 53° at Christiansund, 55° at Helsingfors and Breslau, 56° at Sumburgh Head, 58° at Stornoway, Karlstad and Hangö. Rising later to between 80° and 83° over central England, to 77° at Paris, 90° at Rochefort and San Fernando, and 94° at Laghouat.

Wind (1) very light and anticyclonic over Ireland, England, France, and the greater part of Germany; (2) Westerly over northern Europe, North-Westerly to Northerly over Russia; (3) North-Easterly over Italy, Westerly to North-Westerly in Sicily and Malta; (4) Easterly over the Bay of Biscay. No important change later.

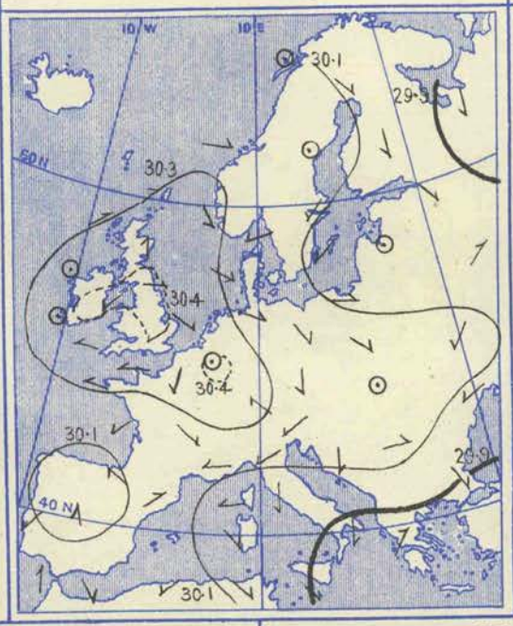
Barometer highest, 30·43 ins. at Brussels, and ranging between that value and 30·2 ins. in an anticyclone covering the British Islands, France, the Netherlands and Germany. Lowest, (1) 29·82 ins. at St. Petersburg, and below 29·9 ins. all over Asia Minor, Turkey and Greece; (2) 30·1 ins. and less in a shallow disturbance over the north of Spain. Rising a little in the north of our Islands later, tending to fall a little over the Spanish Peninsula.

Tuesday, 14th August.

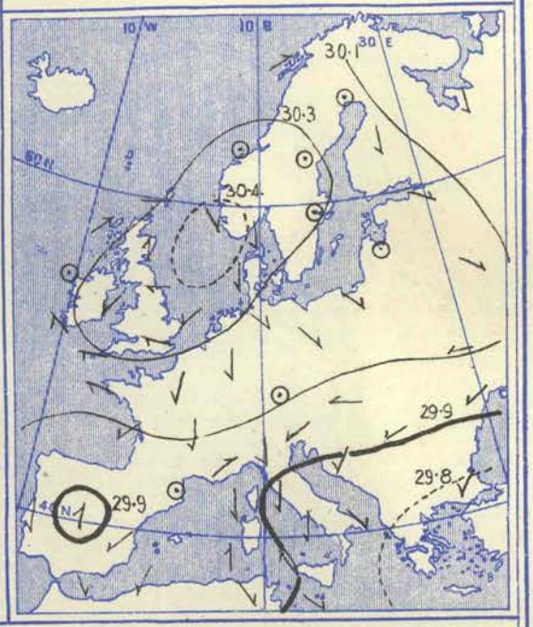
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning remaining fine over almost the whole of the British Islands, Spain, France, and central Europe, but dull in several parts of Russia, also in the Hebrides and Shetland; raining at Christiansund and Swinemunde. Rain later in the north-west of Norway, and very locally at a few other Continental stations (0·43 ins. at Munich). Remaining very fine elsewhere (14 hours of bright sunshine at Llandudno), but becoming foggy over our north Midland counties at night.

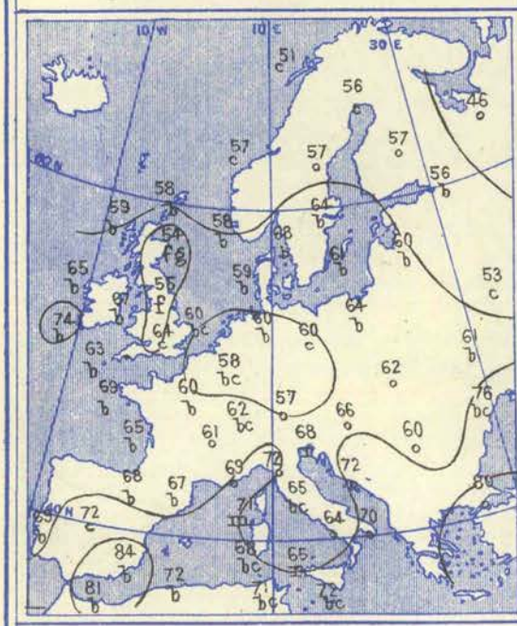
Temperature highest, 80° at Constantinople, 82° at Nemours, and above 70° over Spain, the Mediterranean, and the south of Russia; irregularly distributed elsewhere. Lowest, 49° at Archangel, 52° at Bodö, 53° at Christiansund, 55° at Sumburgh Head, 58° at Stornoway, Karlstad, Hangö, and Brussels. Rising later to 79° at Leith, 80° to 83° over central England, 77° at Paris, 93° at Brest, 101° at Madrid. Less high over Italy and south-eastern Europe.

Wind still anticyclonic and light over our Islands, France, and Germany; less regular, North-East to North-West and South-West, over the Baltic and Russia. Northerly over Italy and the eastern parts of the Mediterranean. Varying a good deal in direction later over the Continent, but remaining light generally.

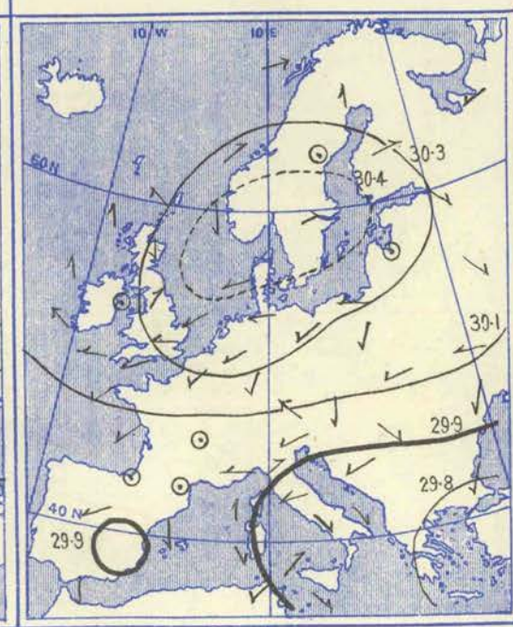
Barometer risen rather decidedly over Scandinavia; fallen over central Europe. Highest, 30·4 ins. to 30·2 ins. in the anticyclone covering our Islands, France, western Germany, the North Sea, and Norway, but the system being encroached on by depression over Russia. Lowest, 29·84 ins. at Archangel; below 29·9 ins. over Asia Minor, Turkey, and Greece, and below 30·1 ins. over central Spain. The anticyclone over our Islands moving north-eastwards later and pressure giving way slightly on our western coasts.

Wednesday, 15th August.

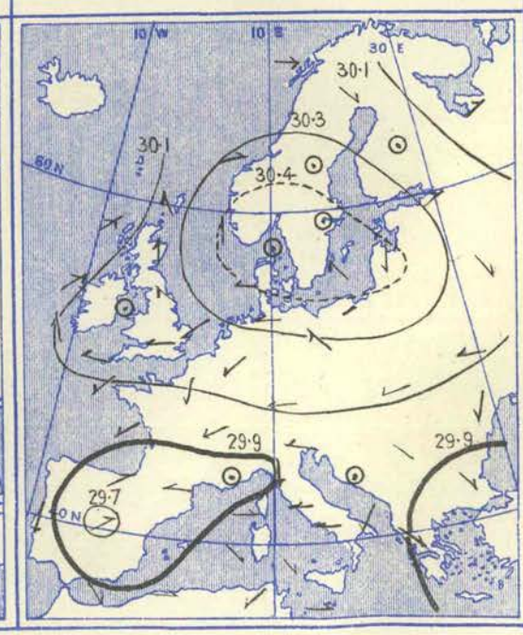
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over Scandinavia, the North Sea, the Netherlands, France, the British Islands (as a whole), and Spain, but foggy and damp over the north-eastern parts of Great Britain; cloudy over many parts of Russia, with rain at Kharkov. Slight sporadic rains again in a very few of the stations in continental Europe, but very fine over the United Kingdom; hazy in several places.

Temperature highest, 84° at Alicante, 80° at Oran and Constantinople, above 70° over the Adriatic, Mediterranean and several parts of Spain; exceeding 60° in several portions of central Europe and the southern parts of Great Britain—74° at Valencia, 67° at Malin Head. Lowest, 46° at Archangel, 51° at Bodö, 55° at Ulealborg; 54° at Aberdeen, 55° at Shields and Loughborough. Rising later to 79° at Nairn and Valencia, 80° at Malin Head, 82° at Parsonstown, (lower over Great Britain and Germany), 76° at Paris, 88° at Rochefort, 86° at Perpignan, 82° at Nice and in the Azores.

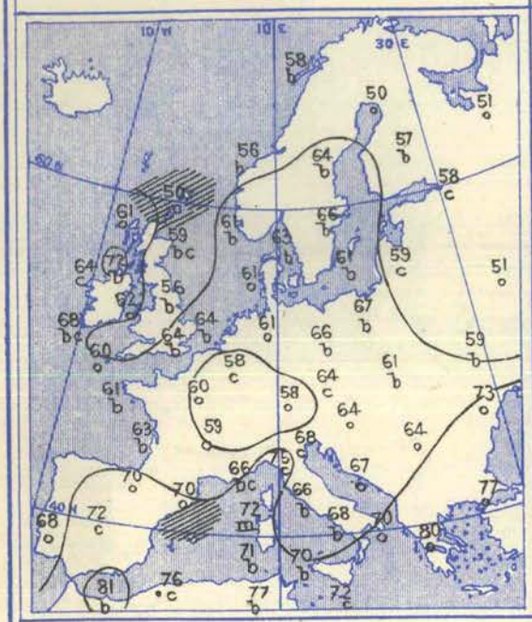
Wind (1) North-Easterly, moderate, over France, South-Easterly over Ireland, South-Easterly and Southerly in Scotland, South-Westerly, strong, at Bodö; (2) North-Easterly to North-Westerly over the Mediterranean. Not much change later, but freshening from South-South-West at Stornoway and veering to West at Bodö.

Barometer highest, 30·4 ins. and more over the southern parts of Scandinavia and northern parts of the North Sea, and exceeding 30·2 ins. over all the north-western parts of Europe. Lowest, 29·8 ins. to 29·9 ins. over south-eastern Europe and also over eastern Spain. The central part of the anticyclone moving eastwards later, the depression over Spain becoming more central and deepening; barometer falling generally, but slowly over western Europe.

Thursday, 16th August.

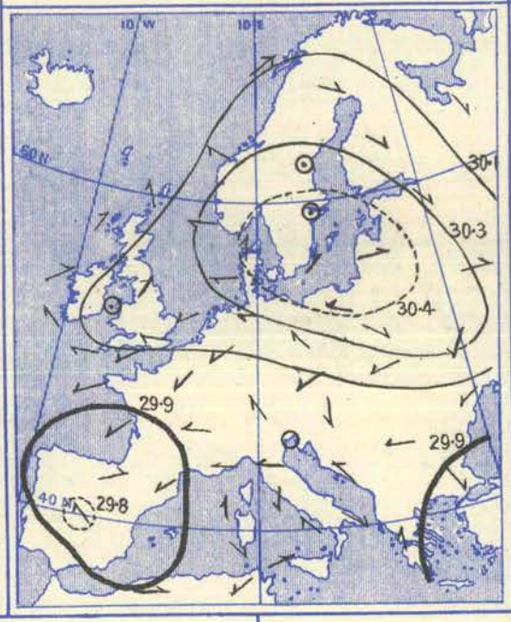
Temperature and Weather.

8 a.m.

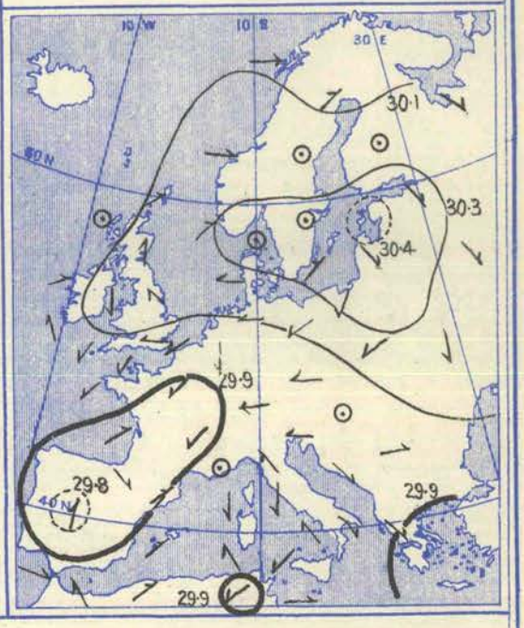


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning very fair (though less settled than of late) over the British Islands, fine over central Europe, Scandinavia, France, and Spain; cloudy in many parts of Russia and south-eastern Europe. A little rain later in Scotland and the north-west of Norway, larger quantities at several of the southern stations, in France, and the north of Italy (with thunder locally), but fine in most localities—13 hrs. of sunshine at Pembroke.

Temperature highest, 81° at Nemours, 80° at Patras, and 70° or more at several of the Mediterranean and Spanish stations, 72° at Malin Head, 68° at Valencia and Nairn, and above 60° in most places. Lowest, 50° at Haparanda, 56° at Christiansund and Sumburgh Head, 57° at Kuopio, 58° at St. Petersburg. (High temperatures in Ireland very noteworthy.) Rising later to 80° at Nairn, 74° at Loughborough, 79° in London, 82° at Frankfürt, Nice and Perpignan, 78° at Paris, 84° at Rochefort.

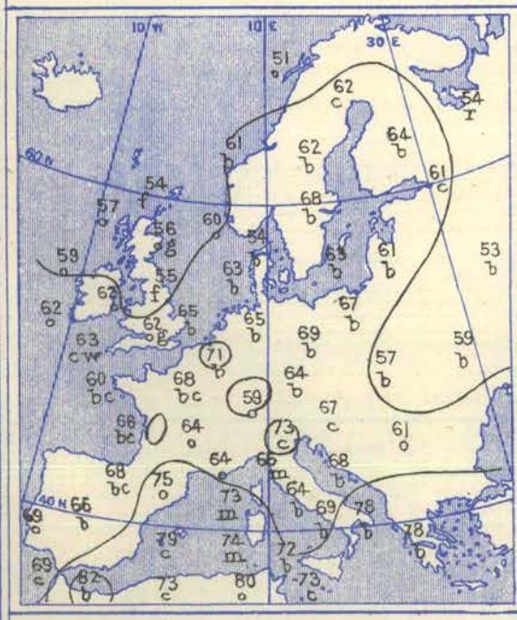
Wind Easterly to North-Easterly over France, variable and Southerly in Ireland, Southerly in the north of Scotland, South-Westerly (strong) at Bodö, Northerly breezes over central Europe, Northerly to North-Westerly over the eastern parts of the Mediterranean. A West-South-West breeze at Biarritz. Falling light over the United Kingdom and western France later.

Barometer highest, 30·4 ins. and more over the Baltic and south of Sweden, and exceeding 30·2 ins. all over northern Europe and in a ridge stretching westwards to the north of England (anticyclone still moving eastward). Lowest, 30·0 ins. over the north of Russia, 29·9 ins. and less over Asia Minor and Turkey, about 29·8 ins. to 29·9 ins. in a complex depression, with two minima, over Spain and the south-west of France. Anticyclone beginning to give way later and French minimum moving north-eastwards.

Friday, 17th August.

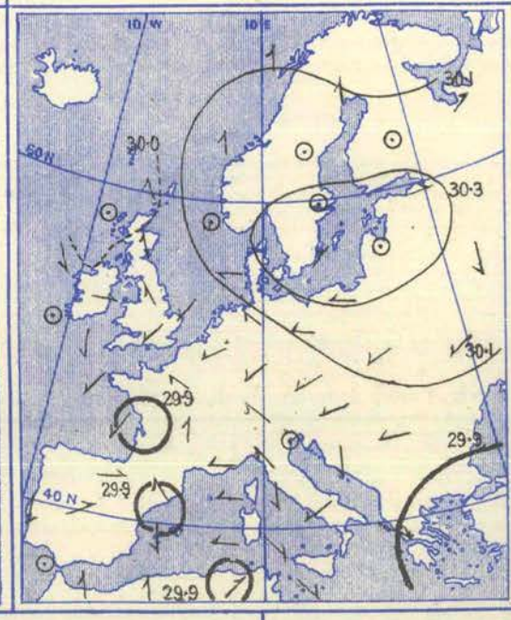
Temperature and Weather.

8 a.m.

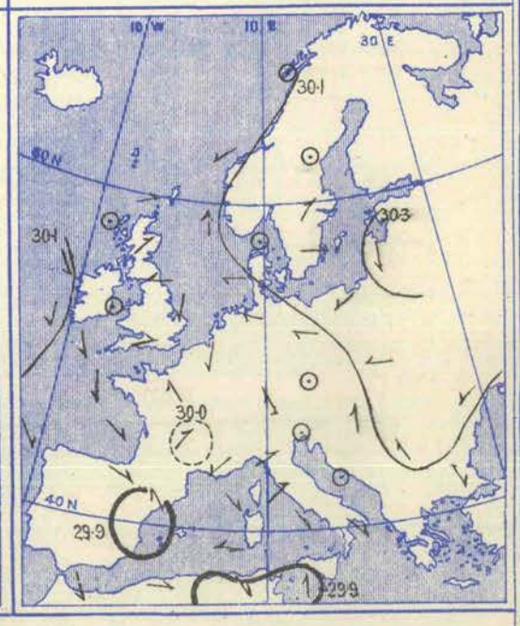


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Baltic, the southern half of Scandinavia, central Europe and Italy; dull over our Islands and France, and not so settled as of late. Rain falling in the north of Scotland, fog prevailing at several of our north-eastern stations. Rain later at Bodö, in the north of Great Britain, and in the south of France; a singularly local thunderstorm in the southern suburbs of London, with large quantities of rain.

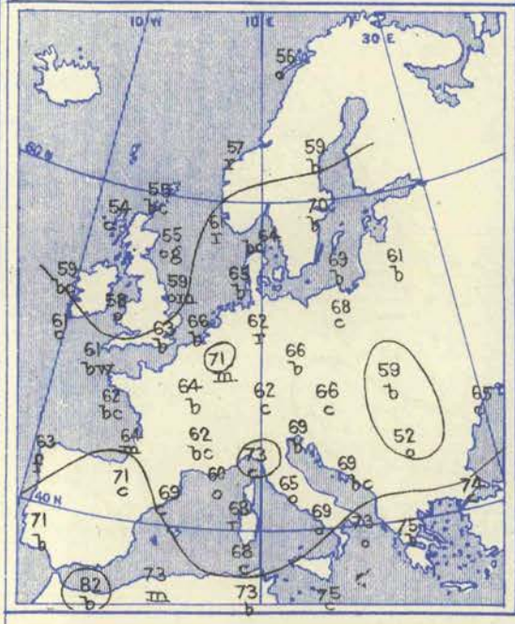
Temperature changing fitfully, fallen in Ireland, risen over France, and also over Finland. Morning readings highest, 82° at Nemours, and between 80° and 70° over Greece and the western and southern parts of the Mediterranean generally. Lowest (1), 51° at Bodö, 54° at Archangel and Sumburgh Head, 56° at Aberdeen; (2) 54° at Limoges, 57° at Belfort, 59° at Munich—distribution very irregular. Rising later to 62° at Nairn, 79° at Loughborough, 82° in London, also at Brussels and Frankfürt, 81° at Paris and Lorient, Lisbon and Port Delgada.

Wind (1) Easterly, moderate, over Germany, Southerly over Scandinavia; (2) North-Easterly over the north of France, and rather more Northerly over England. Very variable in other places and light in force. Subsequent changes too complex to be quoted briefly.

Barometer highest, 30·3 ins. and more to 30·1 ins. in an anticyclone having its central area over the Baltic and western Russia. Lowest, 29·9 ins. and less in several minima over the Mediterranean and western France, and 30·0 ins. and less in another over the northern parts of Ireland, Scotland and neighbouring parts of the Atlantic. Rising a little over Ireland later—depression in south-west of France moving eastwards.

Saturday, 18th August.

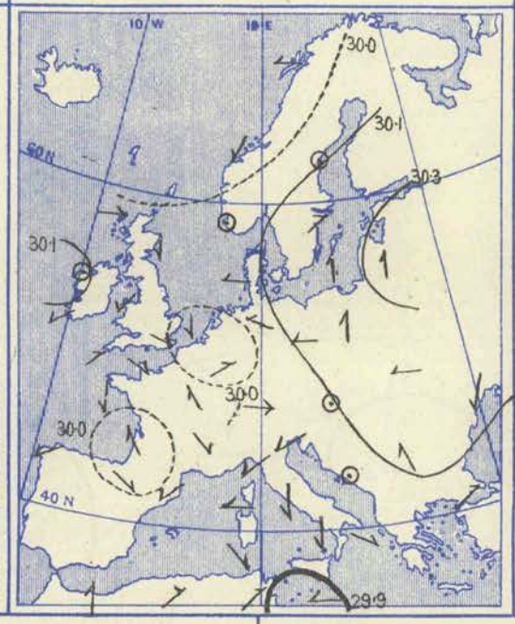
Temperature and Weather. 8 a.m.



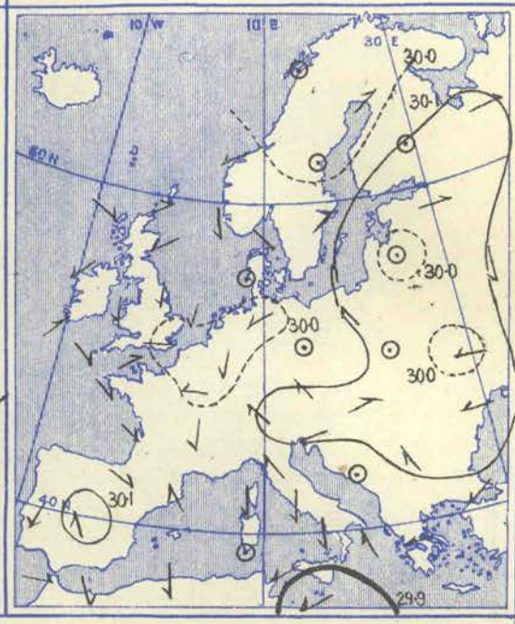
Weather in morning dull and rainy in the west of Norway, and also on the north-east coasts of Great Britain, fair or fine in nearly all other places, with fog in the Straits of Dover. A little rain later at several of the English and Irish stations, and also to the eastward of the North Sea and the south of France, with thunderstorms in many places.

Temperature highest, 82° at Nemours, 75° at Malta and Athens, 74° at Constantinople; above 60° over the Continent and the southern districts of England generally. Observations not received from many of the Russian stations. Lowest, 52° at Hermanstadt and Parsonstown, 54° at Stornoway, 56° at Bodö, Nairn, and Aberdeen, and 57° at Christiansund. Rising later to 79° at Oxford, 76° at Loughborough, 72° at London, 77° at Stockholm and Fanö, 84° at Frankfürt, and 87° at Paris. Maxima over southern Europe and the Mediterranean ranging from 75° to 90°, but thermometer at Madrid reaching 92°.

Barometer and Wind. 8 a.m.



6 p.m.



Wind exceedingly light and variable but moderate from the Southward in Sweden, and from East in Germany and Denmark. Very little change occurring later, but wind becoming more variable over northern Europe.

Barometer highest, 30·32 ins. near Riga, and exceeding 30·1 ins. over the Baltic and the western part of Russia. Lowest, 29·9 ins. and less in a shallow depression near Sicily, 30·0 ins. and less off the west of Norway, and also in very shallow systems lying over the Netherlands and the east of England, and over the south of France. Little change later, but depression in the north moving away to the eastward, that over the south of France dispersing.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thu ⟶⟶⟶ = a heavy gale ⟶⟶ = a gale; ⟶⟶ = a fresh to strong breeze; ⟶⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was as high as 30·4 ins. and more to 30·2 ins. in an anticyclone covering France, Ireland, England, the southern parts of the North Sea, and western Germany, but decreased to 29·9 ins. and less off our extreme northern coasts, to about the same value over eastern Prussia, as well as over Asia Minor, Turkey, Greece, and the extreme south of Italy. The winds reported were what might be expected under such conditions—Westerly to Southerly in the north, Northerly over the Baltic Provinces, Easterly over southern Europe, and Southerly to South-Westerly in Ireland. Local variations were numerous, but these were the conditions generally. Temperature showed nothing very peculiar in our Islands, but was rather low over the southern countries, and only in the extreme north was any rainfall reported.

On Monday the centre of the anticyclone had removed a little to the westward, and on Tuesday it lay almost directly over the British Islands, while a depression appeared over Spain, but from this date it moved in a north-easterly, and then in an easterly direction; the wind freshened from East over the southern regions and from South and South-West in the north, and some very local thunderstorms and showers appeared in a few places—notably in south London on Thursday.

Shallow depression spread gradually over western Europe, the barometer fell gradually, and at the close of the week, when the anticyclone's centre lay over western Russia, the weather was gradually becoming less and less fair over western Europe.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 194.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	35·9	?	34	?	BRIGHTON	84·6	+36·6	84	+36
STRATHPEFFER SPA	38·5	+12·6	36	+12	WORTHING	85·9	?	85	?
EDINBURGH	33·8	0·0	33	0	BOGNOR	82·6*	?	82*	?
MORPETH	54·3	?	53	?	WATERGATE (Emsworth)	78·2	?	77	?
NEWCASTLE-ON-TYNE	50·3	?	48	?	WESTBOURNE (Emsworth)	80·2*	+34·3	80*	+35
OSWALDKIRK (Yorkshire)	46·7	+15·7	45	+16	VENTNOR HOSPITAL	81·8	?	81	?
YORK					SOUTHPORT	63·5	?	62	?
LOWESTOFT	75·2	?	65	?	RHYL	73·7*	?	72*	?
HOLLESLEY BAY	76·3	?	76	?	COLWYN BAY	76·0	?	75	?
SHEFFIELD	46·7	?	46	?	ABERDOVEY	83·5*	?	82*	?
WORKSOP	54·4	+22·1	53	+22	TENBY				
THURCASTON (Leicestershire)	65·4	+29·2	64	+29	NEWQUAY	89·0	+43·7	89	+44
MARGATE	72·6	+30·6	72	+31	TORQUAY	85·3	+39·5	85	+40
EASTBOURNE					GUERNSEY	80·8*	+27·2	81*	+28

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 34.] *Third Series* — WEEK ENDING SATURDAY, AUGUST 25TH, 1900. — [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

DISTRICTS. (See p. 200.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
	°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	69	42	59·3	49·4	54·1	1 below	85	0	0	0	1485	+153	639	+ 16
1. SCOTLAND, EAST	68	44	58·7	49·0	53·5	2 below	81	−19	0	0	1626	− 11	697	+ 48
2. ENGLAND, N.E.	70	43	62·8	52·9	57·5	0 (average)	109	− 1	0	0	1846	+118	518	− 31
3. ENGLAND, EAST	81	47	68·9	55·5	61·7	2 above	138	+17	0	0	2193	+171	530	− 87
4. MIDLAND COUNTIES	73	45	67·1	52·9	59·6	1 above	123	+ 5	0	0	2119	+ 91	567	− 52
5. ENGLAND, SOUTH	78	45	68·6	54·3	61·1	0 (average)	134	+ 3	0	0	2307	+125	389	− 88
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	69	41	61·1	50·9	55·7	1 below	96	− 5	0	0	1809	+ 94	506	+ 44
7. ENGLAND, N.W.	69	46	63·9	53·6	58·4	0 (average)	115	+ 2	0	0	1945	+ 95	452	− 7
8. ENGLAND, S.W.	70	44	65·5	52·6	58·7	1 below	117	− 1	0	0	2159	+105	336	− 25
9. IRELAND, NORTH	69	41	62·0	52·0	56·7	0 (average)	103	− 2	0	0	1868	+ 47	416	+ 21
10. IRELAND, SOUTH	69	50	64·0	54·0	58·7	0 (average)	117	+ 3	0	0	2140	+ 80	373	+ 74
—CHANNEL ISLANDS	72	50	67·3	56·3	61·5	0 (average)	137	+ 4	0	0	2583	+287	97	− 51

Rainfall. Bright Sunshine.

DISTRICTS. (See p. 200.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
		10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts. 0. SCOTLAND, NORTH	4	11	1 more	162	+ 9	28·7	− 0·3	17	− 4	17	− 3	836	+ 15	26	0
1. SCOTLAND, EAST	5	21	14 more	136	+10	22·0	+ 2·6	12	−20	12	−19	863	−104	27	− 3
2. ENGLAND, N.E.	6	14	9 more	120	+ 3	20·0	+ 4·1	14	−13	14	−13	903	− 56	29	− 1
3. ENGLAND, EAST	4	7	2 more	121	+ 7	17·5	+ 2·1	35	− 6	35	− 6	1251	+ 59	38	+ 2
4. MIDLAND COUNTIES	5	10	4 more	115	+ 3	19·8	+ 2·4	29	− 7	29	− 6	1043	+ 62	35	+ 2
5. ENGLAND, SOUTH	4	7	2 more	107	0	17·6	+ 0·7	54	+ 9	55	+10	1282	+ 82	41	+ 3
Principal Grazing, &c., Districts. 6. SCOTLAND, WEST	6	18	8 more	146	+14	33·5	+ 2·8	15	−18	15	−17	989	− 34	31	− 1
7. ENGLAND, N.W.	5	13	5 more	125	+ 4	23·3	+ 3·2	27	− 5	27	− 5	1122	+ 69	35	+ 2
8. ENGLAND, S.W.	5	11	4 more	130	+ 8	27·0	+ 3·2	35	− 8	35	− 8	1286*	+ 52	41	+ 1
9. IRELAND, NORTH	5	14	6 more	154	+11	23·6	+ 2·1	18	−10	18	−10	989*	+ 46	31	+ 1
10. IRELAND, SOUTH	6	15	7 more	137	+ 7	27·8	+ 3·8	19	−13	20	−13	1062	− 2	34	0
— CHANNEL ISLANDS	4	6	1 more	136	+ 8	20·5	+ 1·8	54	+ 2	56	+ 3	1432	+ 91	49	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week was very unsettled and rainy generally, but intervals of clear or partially clear sky were often experienced over our southern counties. Thunderstorms were not infrequent, especially over England, and during a thunderstorm in the neighbourhood of Edinburgh on Thursday a sharply defined waterspout was observed.

Temperature differed very little from the mean over the greater part of the Kingdom, but was 2° below it in Scotland E., and 2° above it in England E. The highest of the maxima were recorded, as a rule, during the earlier days of the week, and ranged from 81° in England E, and 78° in England S., to 68° in Scotland E. The lowest of the minima were registered towards the end of the period, and varied from 41° in Scotland W. and Ireland N., to 47° in England E., and 50° in Ireland S. and the Channel Islands.

Rainfall exceeded the mean in all districts; in the north-east of Great Britain the fall was about three times as great as the normal, and in all the western parts of the Kingdom and over central England more than twice as great.

Bright Sunshine was deficient in all districts except England S. and the Channel Islands. The percentage of the possible duration ranged from 56 in the last named district, and 55 in England S., to between 18 and 20 in Ireland, 12 and 17 in Scotland, and to 14° in England N.E.

Barometer and Wind.—During the first few days of the week an area of low pressure, with more than one minimum, lay over our Islands and their immediate neighbourhood, and the winds were light and rather variable. By the middle of the period, however, a well-formed disturbance had advanced over the Kingdom from the Atlantic, causing a complete cyclonic circulation of moderate or fresh breezes. This system, after remaining almost stationary until Friday and becoming somewhat modified in form, moved southwards, and so far as our Islands are concerned dispersed. By the end of the week an anticyclone had appeared over the north of Scotland, and Northerly or North-Easterly winds had set in over the whole Kingdom.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 199 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head Ⓢ	62	42	57·3	47·6	52·2	− 0·3	71	0	5	0·36	− 0·43	*	*	*	*
	Stornoway Ⓢ	66	46	60·4	49·0	54·3	+ 0.7	86	0	2	0·17	− 0·70	26·4	0·0	26	0
	Wick Ⓢ	65	45	59·6	48·1	53·5	− 0·7	81	0	4	0·94	+ 0·32	*	*	*	*
	Lairg Ⓢ	69	47	62·1	48·9	55·1	+ 0·3	92	0	2	0·95	+ 0·37	*	*	*	*
	Glencarron Ⓢ	64	44	57·2	48·8	52·8	− 1·6	76	0	4	1·46	− 0·08	*	*	*	*
	Fort Augustus Ⓢ	62	51	58·7	52·0	55·2	− 1·1	92	0	5	1·82	+ 1·07	12·3	− 4·7	12	− 4
	Fort William Ⓢ	66	46	60·1	51·2	55·4	− 1·1	94	0	4	1·62	+ 0·24	20·9	+ 1·3	21	+ 2
1. SCOTLAND, E.	Nairn	68	46	59·9	49·9	54·6	− 1·5	88	0	6	1·30	+ 0·72	*	*	*	*
	Aberdeen	61	46	58·0	50·3	53·9	− 1·8	83	0	4	1·40	+ 0·74	20·7	−13·3	20	−13
	Braemar Ⓢ	61	44	56·8	46·3	51·2	− 1·6	64	0	5	2·52	+ 1·62	10·8†	−14·9†	11†	−14†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	64	45	60·0	50·6	55·0	− 2·6	91	0	6	1·98	+ 1·42	*	*	*	*
	Marchmont Ⓢ	63	44	58·7	47·9	53·0	− 2·5	77	0	6	3·19	+ 2·44	10·0	−24·2	10	−23
2. ENGLAND, N.E.	Alnwick Castle	65	43	61·8	51·3	56·2	− 0·1	99	0	7	1·81	+ 1·15	*	*	*	*
	Durham	67	46	62·9	51·2	56·7	− 0·9	103	0	5	2·37	+ 1·80	13·1	−19·4	13	−19
	Shields	64	49	60·6	53·0	56·6	− 0·7	102	0	7	1·82	+ 1·22	*	*	*	*
	Scarborough Ⓜ	69	50	64·4	52·9	58·3	+ 0·4	114	0	5	0·58	+ 0·03	*	*	*	*
	Spurn Head	70	53	64·1	56·0	59·8	+ 0·9	125	0	5	0·57	+ 0·19	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	74	53	68·9	56·1	62·1	+ 2·7	141	0	6	0·83	+ 0·25	26·4	−12·3	27	−12
	Yarmouth	69	54	65·9	57·0	61·2	+ 1·5	134	0	4	0·59	+ 0·09	*	*	*	*
	Geldeston	79	49	69·0	53·6	60·8	+ 1·3	132	0	4	0·82	− 0·37	24·2	−17·7	25	−17
	Cambridge	81	49	72·4	53·7	62·5	+ 2·3	144	0	3	0·16	− 0·35	39·4	− 0·9	40	0
	Felixstowe	73	56	68·1	59·1	63·3	+ 3·9	149	0	4	0·58	?	43·6†	?	44†	?
	Rothamsted	75	47	68·8	53·2	60·5	+ 1·5	130	0	4	1·05	+ 0·50	47·9	+ 6·4	49	+ 7
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	70	49	66·6	54·1	60·0	+ 1·3	126	0	5	1·08	+ 0·59	*	*	*	*
	Loughborough	72	49	69·6	53·6	61·1	+ 1·2	134	0	5	0·63	+ 0·09	*	*	*	*
	Cheadle Ⓜ	68	48	64·6	52·5	58·2	+ 1·5	113	0	6	0·96	+ 0·16	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	70	48	66·5	54·6	60·2	+ 1·3	127	0	5	0·64	0·00	26·2	?	27	?
	Churchstoke Ⓜ	70	47	66·3	52·3	58·9	+ 1·9	118	0	6	1·00	+ 0·40	23·6	−13·4	24	−13
	Hereford (Belmont) Ⓜ	72	48	67·1	51·7	58·9	− 0·5	118	0	7	1·91	+ 1·37	*	*	*	*
	Cirencester	70	45	67·4	49·9	58·1	+ 0·3	113	0	4	1·54	+ 0·88	38·8	− 1·0	40	0
	Oxford	73	48	69·0	54·1	61·1	+ 0·9	134	0	4	0·52	+ 0·01	41·1	+ 0·2	42	+ 1
5. ENGLAND, S.	London	78	50	70·7	54·7	62·2	+ 0·7	141	0	5	1·03	+ 0·53	43·2†	+ 6·0†	44†	+ 7†
	Swarraton (Alresford) Ⓜ	74	45	68·8	50·3	59·0	− 1·5	119	0	3	0·67	?	*	*	*	*
	Dungeness	69	53	67·7	56·9	62·0	+ 0·6	140	0	4	0·86	+ 0·39	48·5	?	50	?
	Hastings (St. Leonards)	70	54	67·6	56·5	61·7	+ 0·9	138	0	4	0·35	− 0·15	57·8	+12·4	59	+14
	Southampton	78	50	70·9	54·9	62·4	+ 1·2	143	0	5	1·39	+ 0·82	54·1	+ 8·3	55	+ 9
	Portland Bill	68	53	66·1	54·7	60·1	− 0·5	127	0	3	0·24	?	*	*	*	*
	Shaftesbury Ⓜ	74	48	68·6	52·4	60·0	+ 0·6	126	0	4	0·54	− 0·11	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	69	46	62·3	51·1	56·4	− 0·2	101	0	5	0·68	− 0·53	*	*	*	*
	Glasgow	61	49	58·5	51·0	54·5	− 1·7	88	0	6	1·29	+ 0·39	7·9	−21·1	8	−20
	Glenlee Ⓢ	64	41	61·4	49·6	55·2	− 0·8	92	0	5	3·48	+ 2·46	*	*	*	*
	Douglas (Isle of Man)	64	50	62·1	52·0	56·8	+ 0·3	104	0	6	1·59	+ 0·71	21·9	−14·9	22	−14
7. ENGLAND, N.W.	Newton Reigny	69	46	61·3	51·6	56·2	− 0·1	99	0	4	1·73	?	17·8	?	18	?
	Stonyhurst	66	49	62·7	52·9	57·5	+ 0·1	109	0	4	1·10	− 0·07	24·0	− 8·0	24	− 7
	Blackpool Ⓜ	69	52	65·5	53·3	59·0	+ 0·2	119	0	6	0·78	+ 0·06	28·8	− 4·7	29	− 4
	Manchester (Prestwich)	67	48	64·7	52·7	58·3	+ 0·3	114	0	5	1·48	+ 0·68	20·6	?	21	?
	Liverpool Obsy. (Bidston)	68	50	64·7	54·7	59·4	+ 0·1	122	0	6	1·42	+ 0·82	27·6	?	28	?
	Llandudno Ⓜ	69	54	65·8	55·1	60·1	+ 0·4	127	0	6	1·42	+ 0·85	30·6	− 2·3	31	− 3
	Holyhead	65	52	62·4	54·7	58·3	− 0·4	114	0	5	1·15	+ 0·47	*	*	*	*
8. ENGLAND, S.W.	Llandovery	70	45	66.9	49·3	57·6	− 1·0	109	0	7	2.59	+ 1·57	*	*	*	*
	Pembroke	65	53	62·6	55·3	58·7	0·0	117	0	5	0·98	+ 0·36	31·8	−10·4	32	−10
	Clifton	70	53	67·5	55·3	61·0	+ 1·6	133	0	3	0·37	− 0·85	*	*	*	*
	Arlington (N. Devon)	69	44	64·6	50·6	57·2	− 0·7	106	0	5	1·03	− 0·09	*	*	*	*
	Cullompton Ⓜ	70	44	67·8	49·5	58·1	− 1·3	113	0	5	1·06	+ 0·45	19·5	−20·6	20	−21
	Falmouth	68	51	63·9	54·2	58·8	− 0·9	118	0	5	1·38	+ 0·56	41·1	− 4·7	42	− 4
	Plymouth	68	47	65·1	54·0	59·2	− 1·5	120	0	5	0·59	− 0·02	43·9	+ 1·9	45	+ 3
9. IRELAND, N.	Malin Head	64	53	60·6	54·6	57·4	+ 0·1	108	0	4	0·38	?	*	*	*	*
	Londonderry	68	48	64·2	52·4	58·0	+ 0·5	112	0	6	1.87	+ 1·04	*	*	*	*
	Edenfel (Omagh)	65	45	61·9	51·0	56·1	+ 0·1	99	0	6	1·50	+ 0·69	*	*	*	*
	Blacksod Point	63	50	61·0	52·6	56·6	− 1·2	102	0	4	1·37	?	*	*	*	*
	Markree Castle	69	46	65·2	51·1	57·7	+ 1·4	110	0	4	1·24	+ 0·34	26·3	− 1·5	26	− 2
	Armagh	64	41	61·6	50·4	55·7	− 1·0	96	0	4	1·63	+ 0·93	9·8	−16·2	10	−16
	Donaghadee	62	42	59·3	51·7	55·3	− 1·6	93	0	6	2·05	+ 1·33	*	*	*	*
10. IRELAND, S.	Dublin	67	51	64·1	54·0	58·8	+ 0·1	118	0	5	1·21	+ 0·61	18·3	−16·6	18	−17
	Parsonstown	69	51	65·3	53·7	59·2	+ 1·7	120	0	6	1·87	+ 1·12	24·7	− 4·3	25	− 5
	Kilkenny	68	50	63·6	53·6	58·3	− 0·2	114	0	4	1·42	+ 0·59	*	*	*	*
	Roche's Point	65	53	63·3	55·3	59·1	+ 0·1	120	0	5	0·71	− 0·19	*	*	*	*
	Valencia	68	52	63·4	54·7	58·8	0·0	118	0	7	2·07	+ 0·93	15·2	−17·9	16	−18
	Killarney	68	52	64·2	53·1	58·3	− 0·5	114	0	7	1·82	?	*	*	*	*
	Foynes	69	50	64·3	53·5	58·6	+ 0·5	116	0	5	1·62	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	69	54	65·4	56·6	60·7	+ 0·3	131	0	4	0·94	+ 0·39	50·1	?	51	?
	Jersey	72	50	69·1	56·0	62·2	− 0·1	141	0	3	0·32	− 0·18	56·0	+ 2·0	58	+ 3

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

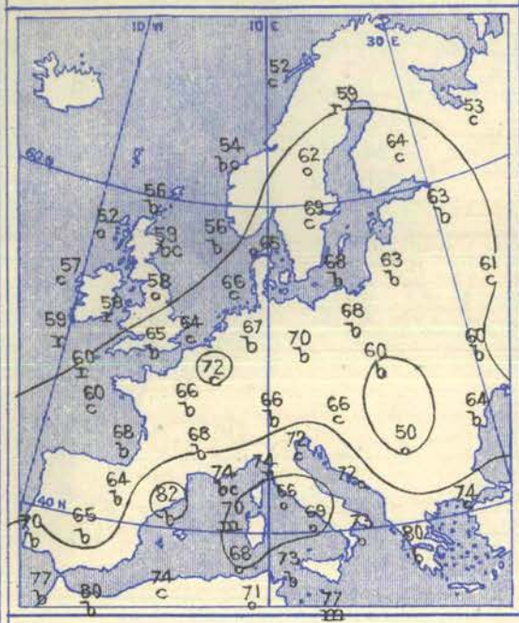
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 19th August.

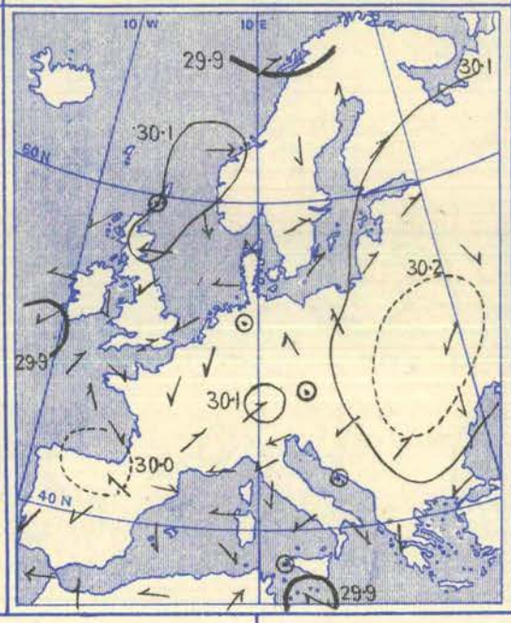
Temperature and Weather. 8 a.m.



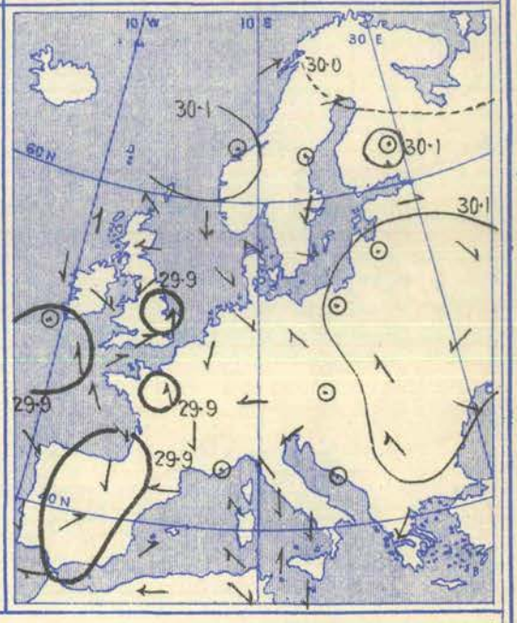
Weather in morning not so fine as of late, clouds more prevalent, especially over the western parts of the British Islands, and rain falling at many stations in those regions; rain at Haparanda also. A great deal of rain later at our western and northern stations, thunder and lightning at Scilly and at Paris, and a few local falls over Scandinavia; lightning in the south-east of England.

Temperature in morning highest, 82° at Barcelona, 80° at Oran and Patras, and above 70° at many stations in the Mediterranean, south-eastern Europe, and at Berlin and Brussels; much above 60° over the greater part of Continental Europe, and a little above 60° over the south of England. Lowest, 52° at Stornoway and Bodö, 53° at Archangel, 56° at Skudesnaes, Leith, and Donaghadee. Rising later to 77° at Stockholm and Fanö, 75° in London, 86° at Berlin and Lyons, 90° at Paris, and 81° at the Azores.

Barometer and Wind. 8 a.m.



6 p.m.

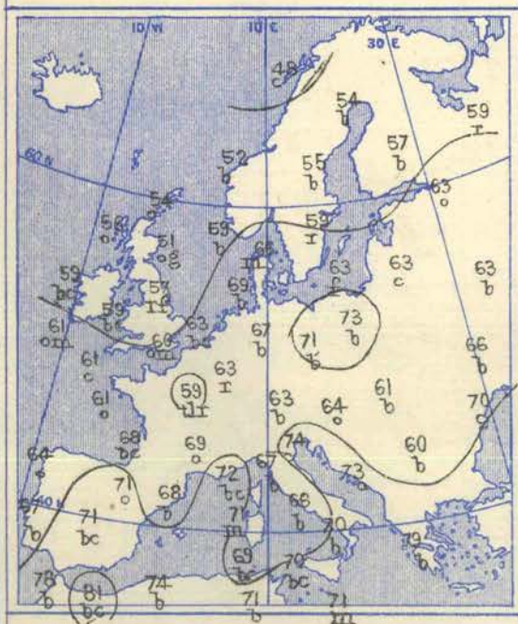


Wind (1) light and anticyclonic over Russia, and also in the east of Scotland and west of Norway; (2) Easterly over the northern parts of our Islands, Westerly and variable in the south, but light generally. Many local alterations over western Europe later—wind becoming very variable in direction, but remaining light in force.

Barometer (1) highest, 30·2 ins. and more to 30·1 ins. over Russia; (2) 30·1 ins. and more over the east of Scotland and west of Norway, and locally at Munich. Lowest, (1) 29·9 ins. and less in two depressions—one off the south-west of Ireland, the other over Malta; (2) 30·0 ins. and less in a secondary over the southern part of the North Sea and in others over the north and the extreme south-west of Spain and the Mediterranean. Falling later in most places, but not much.

Monday, 20th August.

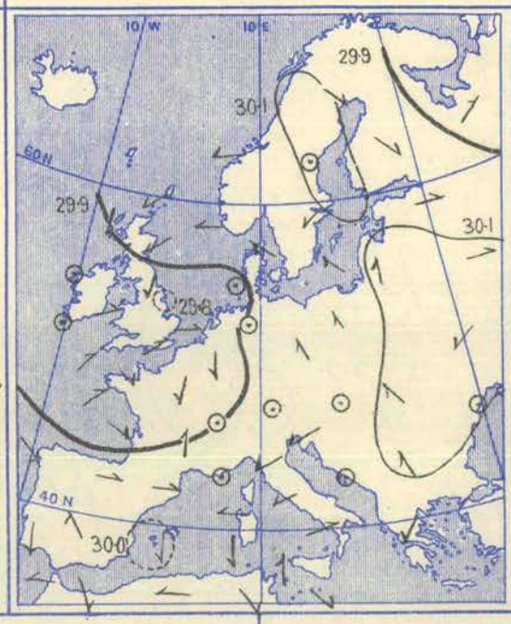
Temperature and Weather. 8 a.m.



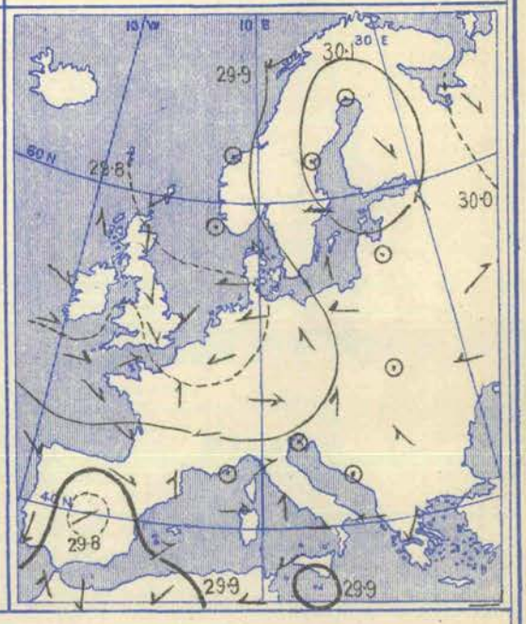
Weather in morning fine and bright over northern and eastern Europe, and in many parts of the Mediterranean. Changeable over the British Isles and their neighbourhood, with showers in several places, rain at times in others. A good deal of rain later at several of the Continental stations (1·6 ins. at Lyons), and smaller quantities, locally, in our own Islands; thunder and lightning in places.

Temperature in morning highest, 81° at Nemours, and above 70° at nearly all the Mediterranean stations, but lower in some parts of Italy; above 70° on the north coast of Germany also, and exceeding 60° at most of the Continental stations as far north as to the Gulf of Finland. Lowest, 49° at Bodö, 51° at Aberdeen, 54° at Haparanda, Sumburgh Head, and Nairn. Rising later to 77° at Wisby and Fanö, to 72° at Loughborough and Oxford, and 75° in London, to 73° at Paris, 88° at Perpignan, 81° at Port Delgada, but 86° at Berlin

Barometer and Wind. 8 a.m.



6 p.m.

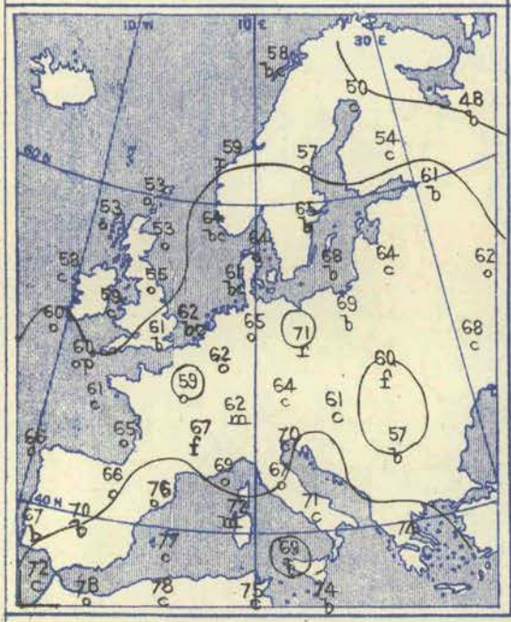


Wind (1) light and exceedingly variable over our Islands and France; mainly Easterly and North-Easterly at our northern stations; Northerly and calm in Ireland; Westerly to Southerly in the south of France; (2) Easterly to North-Easterly over Scandinavia; South-Easterly in Germany; very variable over the Mediterranean. Shifting again to South-West and West in many parts of Ireland later, and fresh cyclonic circulation appearing over Spain.

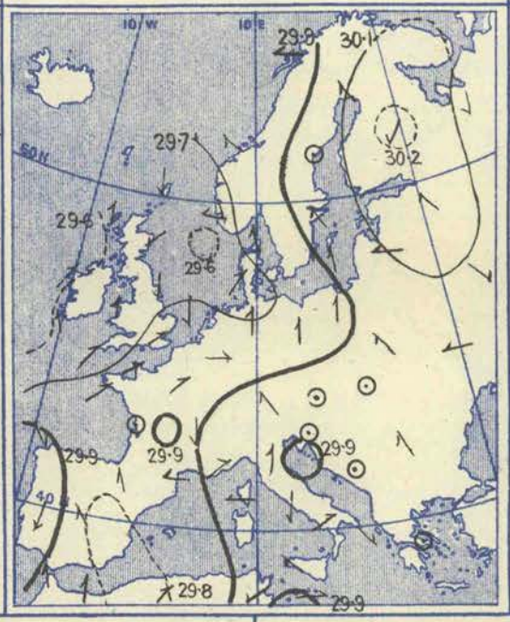
Barometer highest, 30·1 ins. and more in an anticyclone over the southern half of Russia, and also in a new system over the north of Scandinavia. Lowest, below 29·9 ins. almost all over the British Isles and north of France, and below 29·8 ins. in a small "minimum" near Shields. Barometer falling all day over western Europe, and a new shallow depression appearing off our north-west coasts.

Tuesday, 21st August.

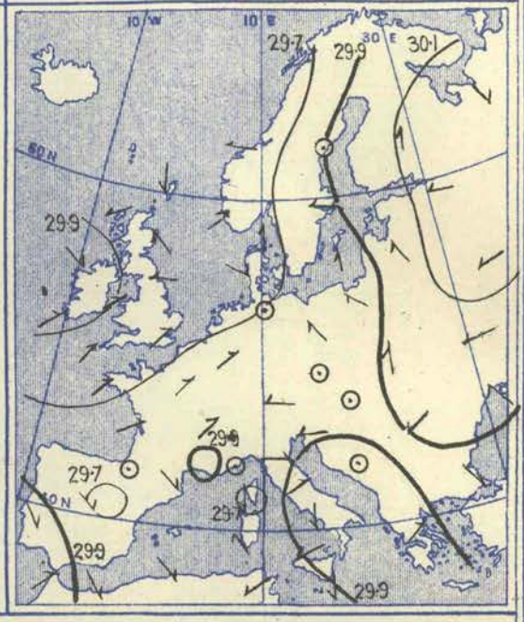
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over many parts of southern Europe, Germany, the eastern shores of the North Sea and the south-east of England, dull and unsettled over the north and west of our Islands and showery in the south-western parts of Wales and England. Some rain later in all parts of our Islands and France—very slight in the south-east of England, but heavy in other localities—especially the western parts of the British Isles (1·4 ins. at Parsonstown); thunder at Nice and at Karlstad.

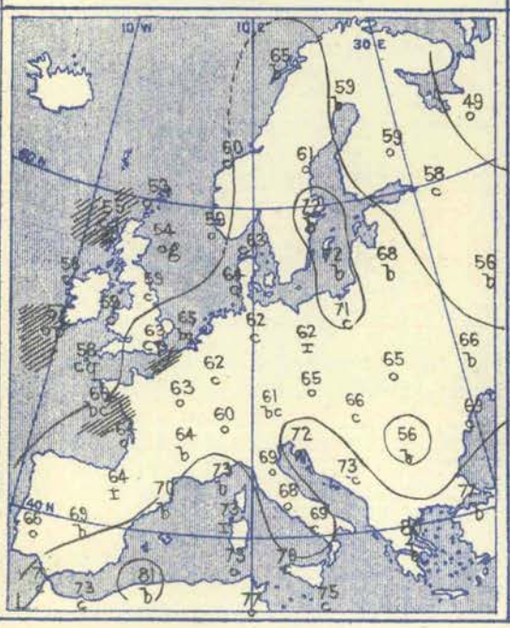
Temperature changing little and irregularly. Morning reading in our Islands differing little from average. Values highest, 79° at Brindisi, 78° at Oran, above 70° over the Mediterranean generally, and above 60° over the greater part of the Continent and south coast of England. Lowest, 48° at Archangel, 50° at Uleaborg, 54° at Kuopio, 53° at Sumburgh Head, Stornoway, and Wick. Scarcely touching 60° in Scotland later, 72° at Loughborough and in London; but 81° at Wisby, and also at Nice and Port Delgada, 90° at Nemours, and 98° at Aumale.

Wind light and anticyclonic over northern Europe, as well as over Italy and the Mediterranean generally; exceedingly variable but cyclonic over the British Islands and North Sea. Variable all day in the latter regions and light in force all over western Europe. A separate cyclonic circulation over Spain (temporarily).

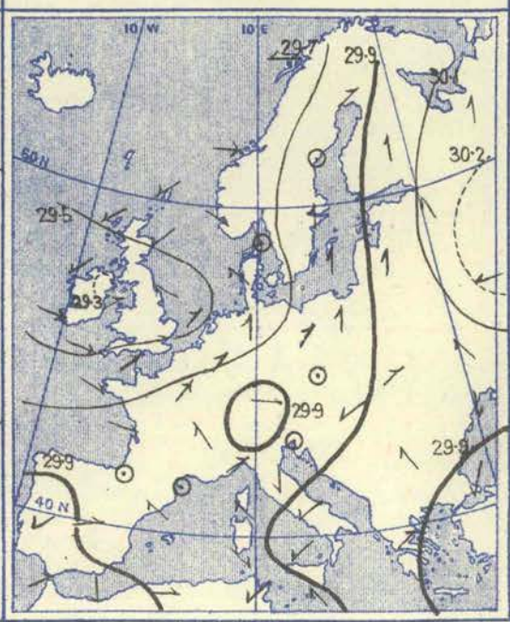
Barometer highest, (1) 30·2 ins. and more to 30·1 ins. over Finland and northern Europe, and exceeding 30·0 ins. all over Russia; (2) 29·9 ins. and more over Portugal. Lowest, below 29·7 ins. over the western and northern parts of the British Islands and the North Sea, and below 29·6 ins. off our extreme north-west coasts. Falling later all over western Europe; a new depression advancing over our Islands from west.

Wednesday, 22nd August.

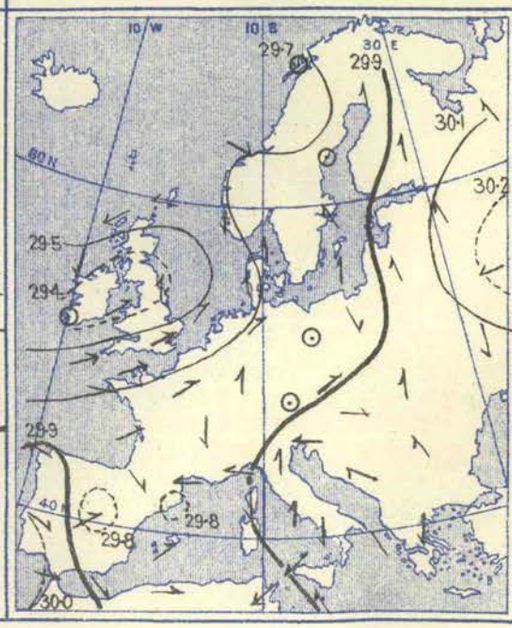
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over the Mediterranean and south-eastern Europe, including the south of Russia, also over central Russia and many parts of the Baltic, as well as in Finland. Unsettled over the British Islands, with rain in many places. Rain later in all parts of the British Islands and France, especially at Nairn, but considerable bright periods in the south. Rain heavy (1·1 in.) at Bodö also; thunder in the north-east of Great Britain.

Temperature decreasing slightly and irregularly. Morning readings ranging from 81° at Algiers, 80° at Patras and above 70° over most parts of the Mediterranean, and from 72° at Stockholm and Wisby, and 71° at Neufahrwasser, to 49° at Archangel, 50° at Uleaborg, 53° at Sumburgh Head, and 54° at Aberdeen; below 60° all over Scotland and the north of Ireland. Not touching 60° later at many of our Scotch stations, but rising to 79° at Stockholm and Wisby, 72° in Denmark, 77° at Berlin, 73° at Paris, 84° at Nice, 86° at Florence, 90° at Brindisi.

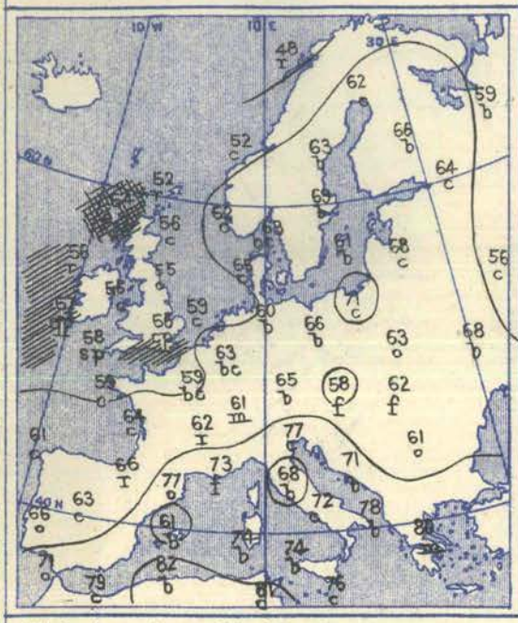
Wind (1) light and very variable over southern and south-eastern Europe; (2) fresh to strong from South-West and West on our southern coasts, light from South and South-East in the east, moderate from East in the north. A separate cyclonic circulation in force over northern Europe. Increasing greatly from East-North-East at Stornoway, and from North in the west of Ireland; blowing strongly from West in the Channel.

Barometer highest, 30·22 ins. at Moscow, exceeding 30·0 ins. all over central Russia, and exceeding 30·0 ins. at San Fernando. Lowest, below 29·4 ins. in a depression over Ireland and the north of England. Depression reported to moving eastwards later, and extending all over the kingdom. Barometer falling all over western, southern, and central Europe, rising at Moscow and Archangel

Thursday, 23rd August.

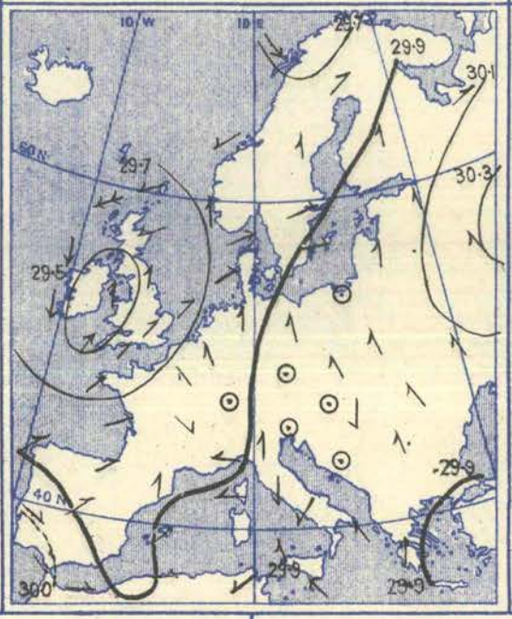
Temperature and Weather.

8 a.m.

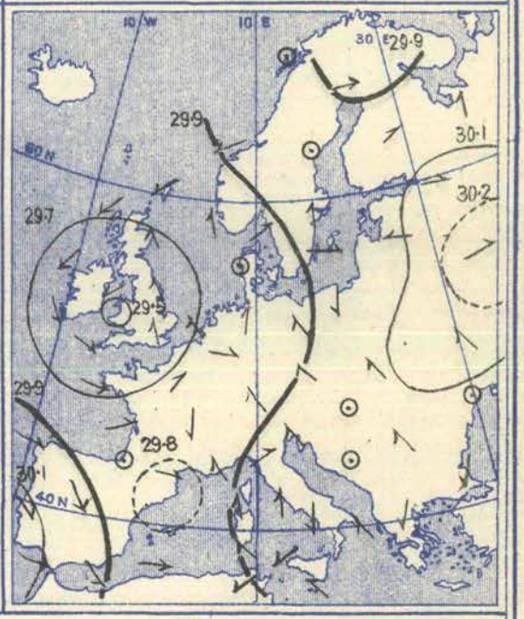


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning remaining fair or fine over eastern and south-eastern Europe, very unsettled in the north-west, especially over the British Islands. Rain later in nearly all parts of the Kingdom—as a rule most in the south; a waterspout was seen near Edinburgh. Very large quantities fell in the southern half of France—no less than 4·06 ins. at Lyons, where thunderstorms occurred nearly all day. Thunder and lighting very general in Ireland, England, the south of Scotland, and in Denmark.

Temperature still decreasing slowly and irregularly over the British Islands and western Europe. Morning readings, 82° at Algiers, 80° at Athens, and above 70° at several Mediterranean stations, above 60° over western and central Europe, 69° at Stockholm, 65° and more over western Russia. Lowest, 58° to 52° over the major part of the United Kingdom, 52° at Christiansund, 48° at Bodö. Not at all high over our Islands later, but rising to 77° at Stockholm, 83° at Berlin, 83° at Perpignan, during the day.

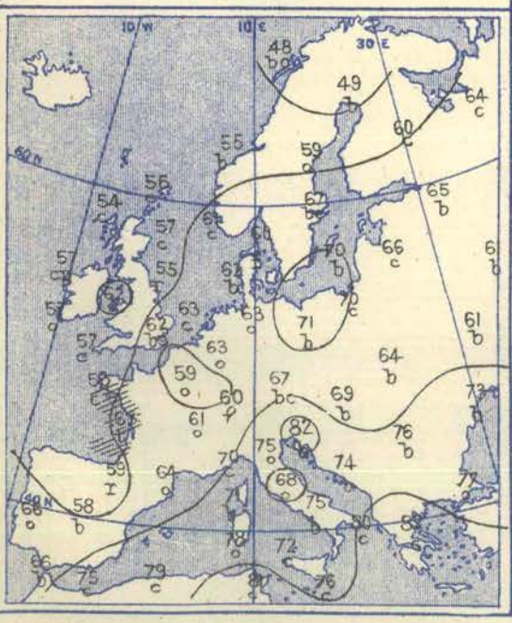
Wind very light and variable over Russia, Germany and the southern countries of Europe; light to fresh and cyclonic over our Islands as a whole—Southerly to South-Westerly in England, Easterly in Scotland, Northerly in Ireland, and blowing a gale at Stornoway and Valencia. A moderate Westerly breeze over the Bay of Biscay. Beginning to subside in the extreme west and north-west later, and drawing into South-South-East over England.

Barometer was highest, (1) 30·30 ins. at Moscow, and exceeding 30·0 ins. all over Russia and the Balkan Peninsula; (2) 30·0 ins. in the south-west of the Spanish Peninsula. Lowest, below 29·5 ins. in a depression over the Irish Sea and St. George's Channel, and below 29·7 ins. over Finland. Rising later in Scotland and Ireland, and the rise spreading.

Friday, 24th August.

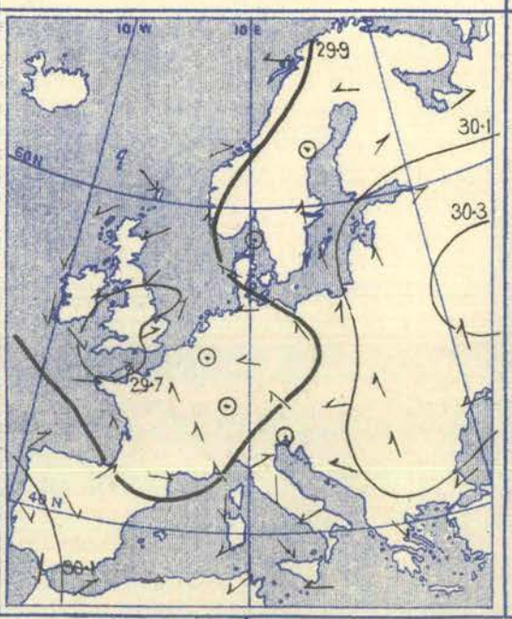
Temperature and Weather.

8 a.m.

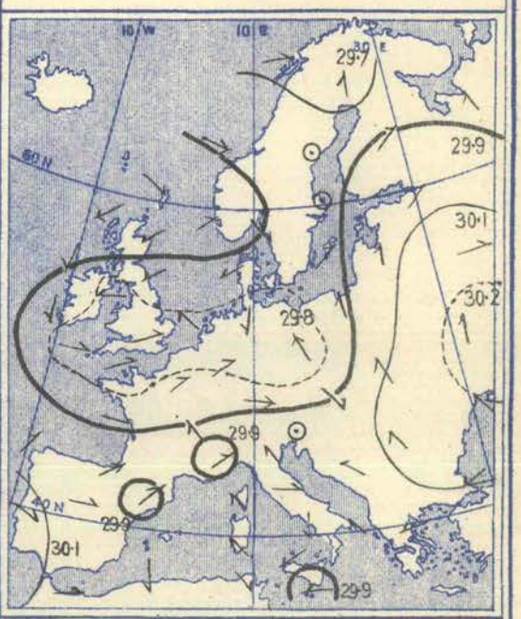


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still unsettled over the United Kingdom, but improving; cloudy in many places, rainy at Shields, showery at Jersey, rainy in the south-west of France. Very fine over Russia and south-eastern Europe. Some rain later in several parts of our Islands (most at Shields), and in Germany, a good deal over the western and southern parts of France (1·2 ins. at Toulon), thunder at Biarritz, Oxford, and Roches Point.

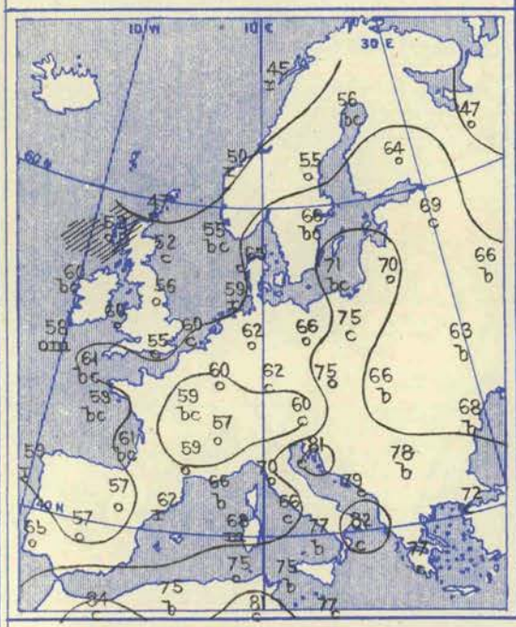
Temperature falling a little over our Islands and western Europe, as well as in the south of Russia. Morning readings highest, 82° to 80° in Greece, 80° at Brindisi, 82° at Trieste, and exceeding 70° over the greater part of the Mediterranean, as well as in north Germany, and at Wisby. Lowest, 48° at Bodö, 54° at Stornoway, 53° at Nairn, 55° at Shields, 57° at Valencia; touching 70° in London later, 71° at Paris, 73° at Frankfurt, 64° at Munich, 86° at Lemberg, 88° at Lesina.

Wind over our Islands moderate in force, cyclonic in direction—Easterly in the north, Northerly in the west, Westerly in the south and Southerly in the west; (2) light over the Continent, from North-West in Spain, Southerly over central Europe, and Easterly in the far north. Becoming more variable in direction later, the Westerly current in France being more pronounced. A South-Westerly breeze setting in at Bodö also.

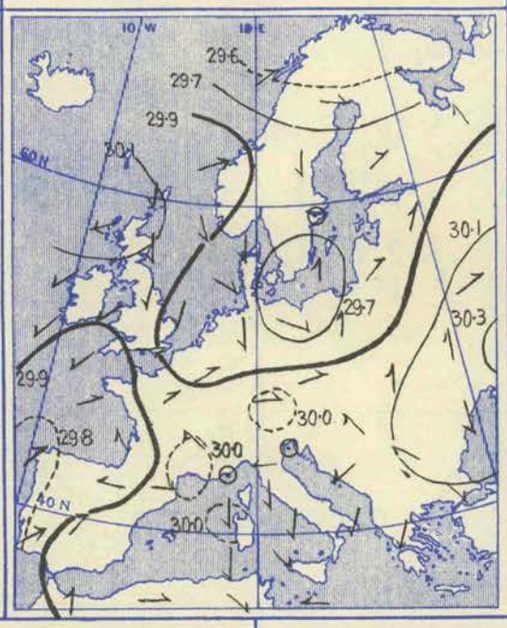
Barometer highest, (1) 30·37 ins. at Kharkov, 30·32 ins. at Moscow, and exceeding 30·0 ins. all over Russia, Poland, and south-eastern Europe; (2) exceeding 30·1 ins. over Portugal and the south-west of Spain. Lowest, 29·7 ins. and less to 29·3 ins. in a depression over the British Islands. Latter disturbance extending to Germany, and subsequently filling up. Barometer still rising over the United Kingdom.

Saturday, 25th August.

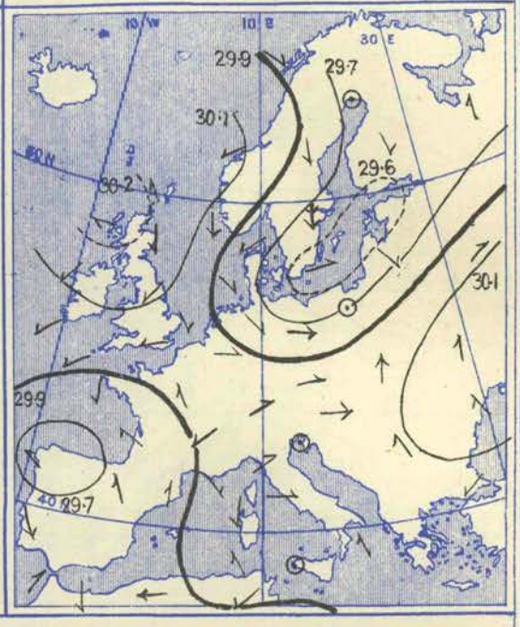
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair as a whole over the British Islands and France, but cloudy, and not settled; still unsettled over the North Sea, Germany, Sweden, and the Baltic. Fine over the southern and south-eastern parts of Continental Europe, rainy in the North. A little rain in our Islands later—considerable in London, where a thunderstorm occurred, much rain at Biarritz, at the Helder, in north-west Germany, and over Scandinavia.

Temperature decreasing generally over western Europe. Morning readings highest, 81° at Sfax and Algiers, and above 70° over the greater part of southern Europe, as well as over north-east Germany, and at Hangö. Lowest, 45° at Bodö, 47° at Archangel, 50° to 52° in the north and east of Scotland, 56° at North Shields, and 55° over central England. Rising later to between 60° and 69° over Ireland and England, 71° at Jersey, 75° at Paris, 79° at Berlin, 77° at Rochefort and Nice, 86° at Lemberg, and 95° at Brindisi.

Wind varing greatly. (1) Strong from South-West and West over Lapland, light South-South-East at Archangel; (2) North-Easterly and light over nearly the whole of our Islands, and very light and variable over France and Spain; (3) a cyclonic circulation observed over north Germany, the Baltic, and western Russia, the North-Easterly winds spreading all over our Islands later, the Baltic cyclone travelling north-eastwards, and a new system advancing over the north of Spain in a North-Easterly direction.

Barometer highest, (1) 30·1 ins. and more to 30·0 ins. over Scotland and the north of Ireland; (2) 30·3 ins. and more to 30·0 ins. over the southern half of Russia, and the Balkan Peninsula. Lowest. (1) 29·6 ins. and less over Lapland; (2) 29·7 ins. in a newly formed depression over north-west Germany, and the north of Sweden; (3) 29·8 ins. and less in another disturbance approaching Spain from south-west. The German and Spanish systems both moving north-easterly later. Barometer still rising in Scotland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶⟶ = a heavy gale ⟶⟶ = a gale; ⟶⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week pressure was highest (30·2 ins. and more to 30·1 ins.) in an anticyclone over Russia, but over the western countries there were great irregularities in distribution, though the gradients were nowhere steep. Temperature was still high (above 80°) at some of the Mediterranean stations, and exceeded 70° in Belgium and at Berlin; but was lowest 52° at Bodö and Stornoway and below 60° over all the western and northern parts of our Islands. In the course of the next few days shallow depressions, of considerable size, spread gradually over the western countries, while the highest pressures became located over Finland; thundery, rainy weather became very prevalent over the north-western countries and temperature fell from day to day. The deepest and most important disturbance was that which came over our north-western districts on Tuesday night. It spread over Ireland and England on the following day, turned from right to left on its own axis by Thursday, and disappeared over the south of England on Friday night,

At the close of the week a high pressure was spreading over the north-western countries from the northward and cold North-Easterly winds were becoming general—with drier weather.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 200.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	15·2	?	15	?	BRIGHTON	58·7	+11·5	60	+12
STRATHPEFFER SPA	11·4	−14·5	11	−14	WORTHING	61·8	?	63	?
EDINBURGH	7·0	−25·7	7	−25	BOGNOR	61·0*	?	62*	?
MORPETH	10·9	?	11	?	WATERGATE (Emsworth)	48·5	?	49	?
NEWCASTLE-ON-TYNE	10·9	?	11	?	WESTBOURNE (Emsworth)	56·0*	+10·9	57*	+11
OSWALDKIRK (Yorkshire)	22·4	− 7·4	22	− 7	VENTNOR HOSPITAL	55·3	?	56	?
YORK					SOUTHPORT	33·3	?	33	?
LOWESTOFT	26·6	?	27	?	RHYL	34·0*	?	34*	?
HOLLESLEY BAY	35·4	?	36	?	COLWYN BAY		?		?
SHEFFIELD	25·6	?	26	?	ABERDOVEY	26·8*	?	27*	?
WORKSOP	21·9	− 9·9	22	−10	TENBY				
THURCASTON (Leicestershire)	24·3	−11·3	25	−10	NEWQUAY	36·6	− 8·2	37	− 8
MARGATE	43·2	+ 2·2	44	+ 3	TORQUAY	46·1	+ 0·9	47	+ 1
EASTBOURNE	60·1	+16·7	61	+17	GUERNSEY	56·2*	+ 2·7	58*	+ 4

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 35.] *Third Series*

WEEK ENDING SATURDAY, SEPTEMBER 1ST, 1900.

[*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL —The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE —The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 206.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	71	38	60·2	45·9	52·6	1 below	74	- 8	0	0	1559	+145	639	+ 16
	1. SCOTLAND, EAST	69	36	59·8	46·8	52·9	2 below	76	-20	0	0	1702	- 31	697	+ 48
	2. ENGLAND, N.E.	71	46	63·1	51·2	56·8	0 (average)	104	- 2	0	0	1950	+116	518	- 31
	3. ENGLAND, EAST	76	42	65·6	53·1	59·0	0 (average)	119	+ 2	0	0	2313*	+174	530	- 87
	4. MIDLAND COUNTIES	73	42	65·1	51·1	57·7	0 (average)	110	- 4	0	0	2229	+ 87	567	- 52
	5. ENGLAND, SOUTH	75	48	65·9	54·3	59·7	0 (average)	124	- 5	0	0	2431	+120	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	69	41	61·6	48·8	54·8	1 below	90	- 7	0	0	1899	+ 87	506	+ 44
	7. ENGLAND, N.W.	71	39	62·7	50·0	56·0	2 below	98	-12	0	0	2043	+ 83	452	- 7
	8. ENGLAND, S.W.	74	44	65·5	52·6	58·7	0 (average)	117	+ 2	0	0	2276	+107	336	- 25
	9. IRELAND, NORTH	68	37	62·3	50·0	55·8	1 below	97	- 5	0	0	1965	+ 42	416	+ 21
	10. IRELAND, SOUTH	71	38	64·8	51·1	57·6	0 (average)	109	- 3	0	0	2249	+ 77	373	+ 74
	—CHANNEL ISLANDS—	73	55	66·8	57·9	62·1	2 above	141	+11	0	0	2724	+298	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 206.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	11	1 more	165	+ 7	29·8	0·0	33	+12	33	+14	869	+ 29	26	0
	1. SCOTLAND, EAST	3	3	4 less	139	+ 9	22·2*	+ 2·1	26	- 5	27	- 4	889	-109	27	- 3
	2. ENGLAND, N.E.	1	2	3 less	121	0	20·2	+ 3·8	16	-14	17	-14	919	- 70	28	- 2
	3. ENGLAND, EAST	2	3	2 less	123	+ 5	17·8	+ 1·9	33	- 8	35	- 8	1284	+ 51	38	+ 2
	4. MIDLAND COUNTIES	1	2	4 less	116	+ 1	20·0	+ 2·1	24	-12	25	-12	1067	+ 50	34	+ 1
	5. ENGLAND, SOUTH	4	3	2 less	111	0	17·9	+ 0·5	33	- 9	35	- 8	1314*	+ 73	41	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	3	10	0 (average)	149	+13	34·5	+ 2·8	28	- 5	29	- 3	1017	- 39	31	- 1
	7. ENGLAND, N.W.	1	5	2 less	126	+ 1	23·8	+ 2·9	36	+ 4	38	+ 4	1159*	+ 73	35	+ 2
	8. ENGLAND, S.W.	2	5	3 less	132	+ 6	27·5	+ 2·9	34	- 8	35	- 8	1320	+ 44	41	+ 1
	9. IRELAND, NORTH	2	4	4 less	156	+ 8	24·0	+ 1·7	25	- 3	26	- 3	1014	+ 44	31	+ 1
	10. IRELAND, SOUTH	2	3	6 less	139	+ 5	28·1	+ 3·3	32	0	34	0	1094	- 2	34	0
	— CHANNEL ISLANDS—	3	4	1 less	139	+ 7	20·9	+ 1·7	40	-18	42	-18	1472	+ 72	48	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was mostly fair and dry during the greater part of the week, but towards its close it became unsettled and rainy, at first in the north and west, and subsequently over the whole Kingdom.

Temperature was just equal to, or rather below the mean generally, but was 2° above it in the Channel Islands. The highest of the maxima occurred on Friday, and ranged from 76° in England E., and 75° in England S., to 68° in Ireland N. The lowest of the minima were recorded on rather irregular dates, but generally between the 26th and 29th in the west and north, and on the 31st August in the south. They ranged from 36° in Scotland E., 37° in Ireland N., and 38° in Scotland N. and Ireland S., to 48° in England S , and to 55° in the Channel Islands.

Rainfall exceeded the mean in Scotland N., and just equalled it in Scotland W., but in all other districts there was a deficit.

Bright Sunshine was deficient over the country generally, but exceeded the normal in Scotland N. and England N.W. The percentage of the possible duration ranged from 42 in the Channel Islands, and 38 in England N.W., to 26 in Ireland N., 25 in the Midland Counties, and 17 in England N.E.

Barometer and Wind.—At the commencement of the week an anticyclone lay to the north-westward of our Islands, while a depression was shown over the Bay of Biscay. As the week progressed the former system moved south-eastwards directly over the United Kingdom to France and Germany, while the latter, after causing rain on Sunday in some parts of the English Channel, travelled away eastwards. Towards the close of the period depressions appeared in the north-west and a secondary disturbance passed eastwards over Ireland and England. The winds were consequently Easterly and North-Easterly during the earlier days, and blew freshly or strongly on the Channel coasts, but gradually became light and variable, and finally moderate from between South and South-West or West.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 205 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	42	55·6	45·7	50·4	− 1·5	59	0	3	0·94	+ 0·14	*	*	*	*
	Stornoway	61	40	59·9	43·1	51·0	− 1·9	63	0	3	0·80	− 0·08	47·0	+20·7	48	+22
	Wick	68	40	60·0	48·0	53·6	+ 0·1	81	0	3	0·68	+ 0·06	*	*	*	*
	Lairg Ⓢ	71	40	64·2	45·3	54·2	− 0·1	85	0	2	0·57	− 0·01	*	*	*	*
	Glencarron Ⓢ	66	38	58·8	44·9	51·4	− 2·2	66	0	3	2·40	+ 0·84	*	*	*	*
	Fort Augustus Ⓢ	67	?	61·1	?	?	?	?	?	3	0·85	+ 0·07	38·7	+21·3	39	+22
	Fort William Ⓢ	66	44	61·7	48·4	54·7	− 1·3	89	0	3	1·38	− 0·03	32·2	+21·7	33	+13
1. SCOTLAND, E.	Nairn	60	40	61·0	45·6	52·8	− 2·4	76	0	3	0·37	− 0·17	*	*	*	*
	Aberdeen	66	46	58·9	49·1	53·7	− 1·3	82	0	4	0·30	− 0·32	23·7	− 9·6	24	−10
	Braemar Ⓢ	64	36	58·3	44·8	51·2	− 0·8	64	0	2	0·24	− 0·68	51·5†	+25·7†	53†	+27†
	Ochtertyre Ⓢ												*	*	*	*
	Leith	68	43	62·1	49·4	55·4	− 1·5	94	0	1	0·19	− 0·33	*	*	*	*
	Marchmont Ⓢ	67	44	58·7	45.1	51.5	− 3·2	67	0	3	0·26	− 0·46	16·5	−16·9	17	−16
2. ENGLAND, N.E.	Alnwick Castle	68	46	62·7	49·4	55·7	+ 0·4	96	0	1	0·03	− 0·59	*	*	*	*
	Durham														*	
	Shields	68	46	61·7	49·6	55·3	− 1·3	93	0	2	0·14	− 0·43	*	*	*	*
	Scarborough Ⓜ	71	46	63·5	51·5	57.1	− 0·1	106	0	1	0·22	− 0·30	*	*	*	*
	Spurn Head	71	52	64·3	54·4	59·1	+ 0·7	120	0	1	0·41	+ 0·03	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	74	52	66·1	55·2	60·3	+ 1·9	128	0	1	0·51	− 0·04	57·6	+20·6	60	+22
	Yarmouth	65	52	63·6	54·4	58·7	− 0·2	117	0	1	0·26	− 0·24	*	*	*	*
	Geldeston	73	42	64·7	50·6	57·2	− 1·6	106	0	2	0·22	− 0·24	26·9	−13·8	28	-14
	Cambridge	76	46	68·0	51·2	59·1	− 0·1	120	0	2	0·10	− 0·39	20·4	−18·8	21	-19
	Felixstowe	71	52	66·2	55·3	60·5	+ 1·8	130	0	3	0·41	?	34·8†	?	37†	?
	Rothamsted	72	45	65·0	51·7	58·0	− 0·1	112	0	2	0·41	− 0·12	18·9	−20·4	20	-20
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	71	42	66·6	48·6	56·6	− 1·2	102	0	2	0·27	− 0·20	*	*	*	*
	Loughborough	73	44	66·6	50·6	58·1	− 1·0	113	0	2	0·15	− 0·38	*	*	*	*
	Cheadle Ⓜ	70	46	63·6	49·7	56·2	+ 0·3	99	0	0	—	− 0·80	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	70	48	63·8	51·9	57·5	− 0·4	109	0	1	0·07	− 0·56	19·2	?	20	?
	Churchstoke Ⓜ	72	49	64·5	50·9	57·3	+ 0·9	107	0	1	0·09	− 0·50	25·3	−10·8	26	−12
	Hereford (Belmont) Ⓜ	72	47	65·8	52·7	58·9	+ 0·3	118	0	1	0·19	− 0·34	*	*	*	*
	Cirencester	72	46	64·7	51·6	57·8	+ 0·9	111	0	1	0·19	− 0·43	17·8	−20·5	19	-21
	Oxford	73	50	65·9	53·1	59·1	− 0·3	120	0	2	0·27	− 0·23	19·2	−20·6	20	-21
5. ENGLAND, S.	London	75	48	67·0	53·9	60·1	− 0·5	127	0	3	0·47	− 0·03	18·0†	−18·0†	19†	−18†
	Swarraton (Alresford) Ⓜ	72	49	65·2	53·0	58·7	− 0·9	117	0	4	0·30	?	*	*	*	*
	Dungeness	69	48	65·4	57·0	61·0	+ 0·3	133	0	3	0·44	− 0·04	34·5	?	36	?
	Hastings (St. Leonards)	71	52	65·1	55·2	59·9	− 0·3	125	0	3	0·33	− 0·15	43·9	− 3·0	43	− 2
	Southampton	75	52	68·3	54·6	61·0	+ 0·6	133	0	5	0·41	− 0·14	29·3	−15·5	31	−15
	Portland Bill	69	50	65·7	53·6	59·3	− 0·8	121	0	4	0·17	?	*	*	*	*
	Shaftesbury Ⓜ	71	49	64·3	52·8	58·2	− 0·4	113	0	4	0·26	− 0·39	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	67	43	61·9	48·9	55·0	− 0·8	91	0	3	1·97	+ 0·72	*	*	*	*
	Glasgow	67	48	59·6	50·3	54·7	− 0·7	89	0	3	0·42	− 0·48	15·8	−12·9	16	−12
	Glenlee Ⓢ	67	41	61·3	46·9	53·7	− 1·5	82	0	3	0·79	− 0·22	*	*	*	*
	Douglas (Isle of Man)	69	42	63·5	49·2	55·9	+ 0·2	97	0	3	0·69	− 0·19	39·4	+ 3·2	41	+ 5
7. ENGLAND, N.W.	Newton Reigny	69	39	60·9	44·5	52·2	− 3·0	71	0	2	0·55	?	20·5	?	21	?
	Stonyhurst	68	44	62·3	49·2	55·4	− 1·2	94	0	1	0·96	− 0·21	36·4	+ 4·6	38	+ 6
	Blackpool Ⓜ	68	40‡	63·7	47·5	55·1	− 2·9	92	0	1	0·72	0·00	31·5	− 0·7	33	0
	Manchester (Prestwich)	71	43	63·4	49·4	56·0	− 1·2	98	0	1	0·50	− 0·30	33·7	?	35	?
	Liverpool Obsy. (Bidston)	70	47	63·3	51·6	57·1	− 1·5	106	0	1	0·26	− 0·34	36·1	?	37	?
	Llandudno Ⓜ	71	51	64·2	54·8	59·2	+ 0·2	120	0	1	0·25	− 0·33	39·8	+ 6·8	41	+ 7
	Holyhead	66	50	61·4	52·9	56·9	− 1·3	104	0	2	0·53	− 0·17	*	*	*	*
8. ENGLAND, S.W.	Llandovery	72	47	66.6	50·3	58·0	0·0	112	0	2	0.46	− 0·54	*	*	*	*
	Pembroke	65	52	62·9	54·6	58·5	+ 0·1	116	0	2	0·34	− 0·28	31·8	− 9·6	33	− 9
	Clifton	73	51	66·3	54·5	60·1	+ 1·5	127	0	2	0·17	− 0·53	*	*	*	*
	Arlington (N. Devon)	71	46	64·6	50·9	57·3	0·0	107	0	2	0·81	− 0·27	*	*	*	*
	Cullompton Ⓜ	74	44	67·1	51·7	58·9	+ 0·1	118	0	3	0·25	− 0·35	25·2	−14·3	27	−14
	Falmouth	68	51	65·3	54·1	59·4	+ 0·5	122	0	3	0·93	+ 0·08	35·0	−10·0	37	− 9
	Plymouth	70	50	65·7	52·3	58·6	− 1·3	116	0	3	0·40	− 0·21	31·6	− 9·8	33	− 9
9. IRELAND, N.	Malin Head	66	49	59·7	52·3	55·8	− 0·9	97	0	3	0·07	?	*	*	*	*
	Londonderry												*	*	*	*
	Edenfel (Omagh)	68	42	62·4	48·9	55·3	+ 0·1	93	0	2	0·35	− 0·43	*	*	*	*
	Blacksod Point	64	44	62·6	51·1	56·5	− 1·0	102	0	2	0·90	?	*	*	*	*
	Markree Castle	67	37	64·1	46·9	55·0	− 0·5	91	0	3	0·36	− 0·52	26·0	− 1·7	27	− 2
	Armagh	67	43	63·4	49·0	55·8	− 0·2	97	0	1	0·27	− 0·40	23·8	− 2·3	25	− 2
	Donaghadee	67	50	61·3	51·9	56·3	− 0·2	100	0	2	0·29	− 0·41	*	*	*	*
10. IRELAND, S.	Dublin	70	51	64·8	54·1	59·1	+ 1·2	120	0	1	0·14	− 0·38	33·3	− 1·4	35	0
	Parsonstown	70	44	64·6	49·3	56·5	− 0·3	102	0	1	0·34	− 0·34	33·4	+ 5·3	35	+ 5
	Kilkenny	69	45	64·4	51·3	57·5	− 0·5	109	0	1	0·05	− 0·78	*	*	*	*
	Roche's Point	66	50	64·4	52·9	58·3	+ 0·1	114	0	3	0·10	− 0·80	*	*	*	*
	Valencia	67	45	64·1	50·7	57·0	− 1·4	105	0	3	0·38	− 0·77	29·1	− 4·0	31	− 4
	Killarney	68	38	65·2	48·7	56·5	− 2·0	102	0	3	0·25	?	*	*	*	*
	Foynes	71	45	66·0	51·0	58·1	+ 0·5	113	0	1	0·47	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	70	55	65·9	56·7	61·0	+ 1·6	133	0	2	0·09	− 0·47	53·4	?	56	?
	Jersey	73	57	67·7	59·0	63·1	+ 1·4	148	0	4	0·75	+ 0·25	35·2	−17·7	37	−16

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

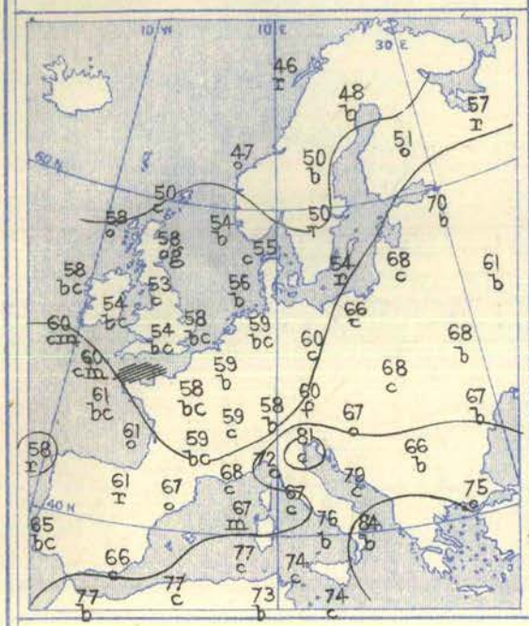
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

‡ Erratum.—The corresponding value in last week's Report should read "50" instead of "52."

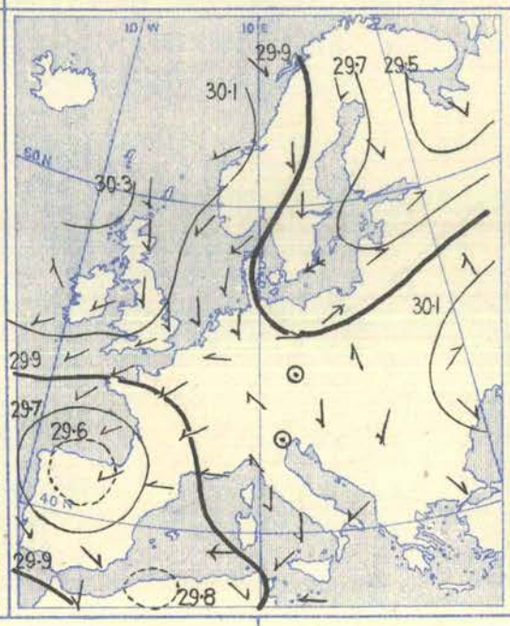
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 26th August.

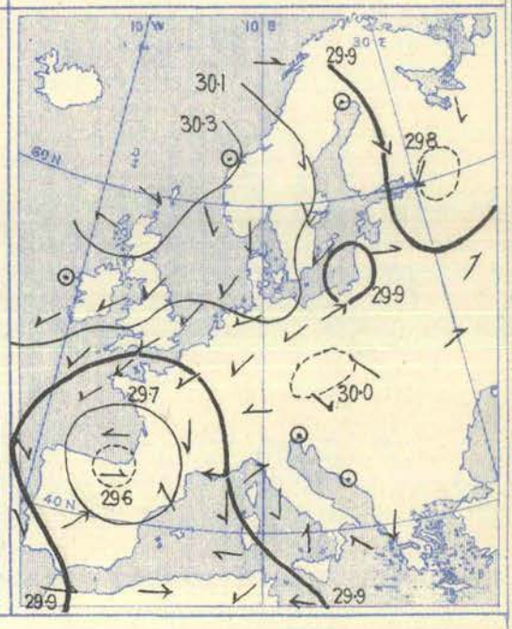
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over many of the continental countries, and fair generally over the United Kingdom, but cloudy; rainy on the shores of the Baltic as well as over the north of Spain and south-west of France. Much rain later at the French stations, and less settled looking over our southern counties; smaller quantities of rain over the Baltic.

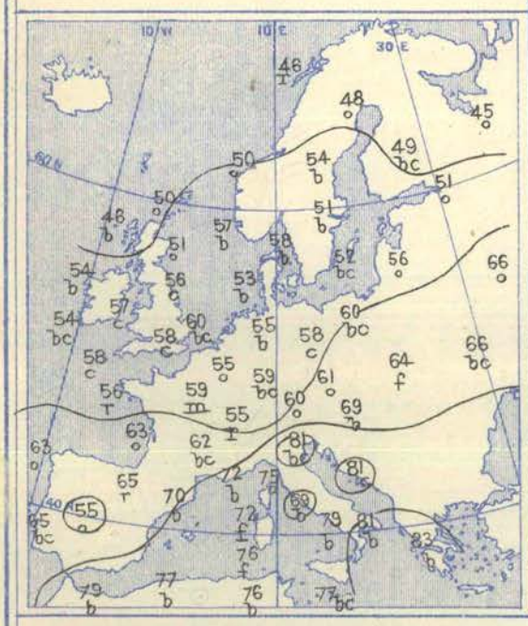
Temperature in morning highest, 84° at Brindisi, 81° at Trieste, and above 70° at many of the Mediterranean stations, 70° at St. Petersburg, above 60° over central Europe, 69° at Riga. Lowest, 46° at Bodö, 48° at Haparanda, 50° at Sumburgh Head, and below 60° over our Islands except at Valencia and Scilly. Rising later to 56° at Nairn, 61° at Loughborough, 63° in London, but touching 70° at Berlin and Paris, 73° at Munich, 75° at Lyons, 77° at Nice, 86° at Lesina, 93° at Brindisi, 95° at Tunis, 97° at Aumale.

Wind (1) very light and variable over Russia, central and south-eastern Europe, Northerly to Easterly (anticyclonic) and moderate to light over the British Islands; (2) strong to a gale from North-East in Sweden and from South-West on the north coast of Germany; (3) North-Easterly over the north of France, Northerly over Portugal, North-Westerly to Westerly over Spain and Algeria. The North-Easterly wind increasing later in the north of France, and the Westerly wind over Spain spreading Northwards.

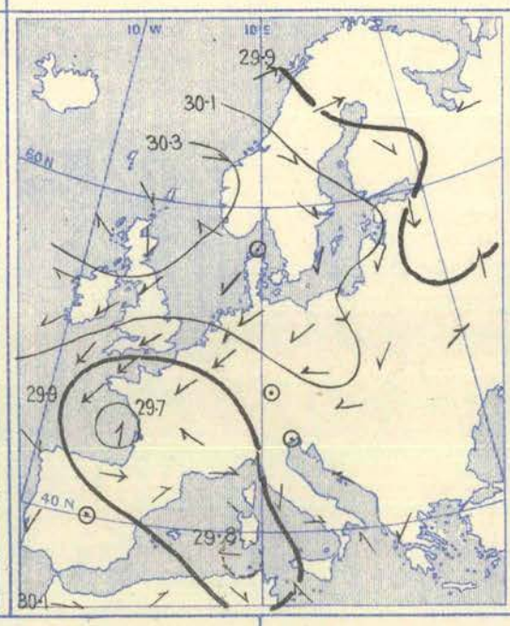
Barometer highest, 30·3 ins. and more to 30·0 ins. in an anticyclonic system over the British Islands, the North Sea, and Norway, and 30·1 ins. to 30·0 ins. over south-eastern Europe. Lowest, 29·6 ins. and less to 29·8 ins.; (1) in a "V"-shaped depression over the Baltic, and (2) in a depression over the north of Spain. Both systems moving North-Eastwards later and British anticyclone increasing in intensity.

Monday, 27th August.

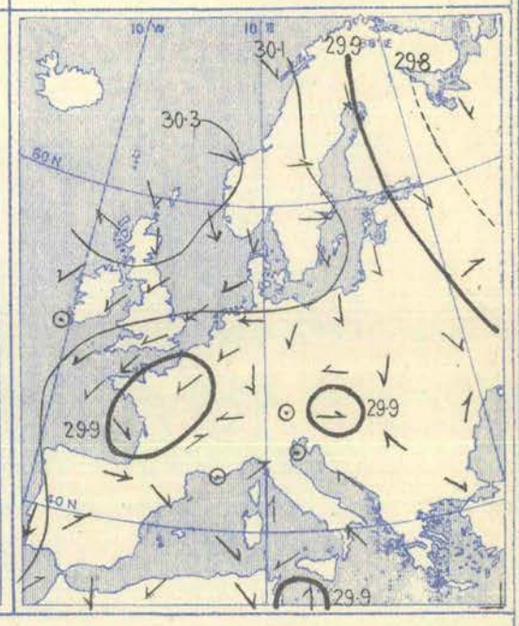
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean, as well as over Denmark and Sweden; fair over south-eastern Europe, as well as over Ireland and Scotland. Dull and cold over England, rainy over the north of Spain and the north-west of France. Further rain at the French stations later and in the south of England, and large quantities in some parts of Hungary.

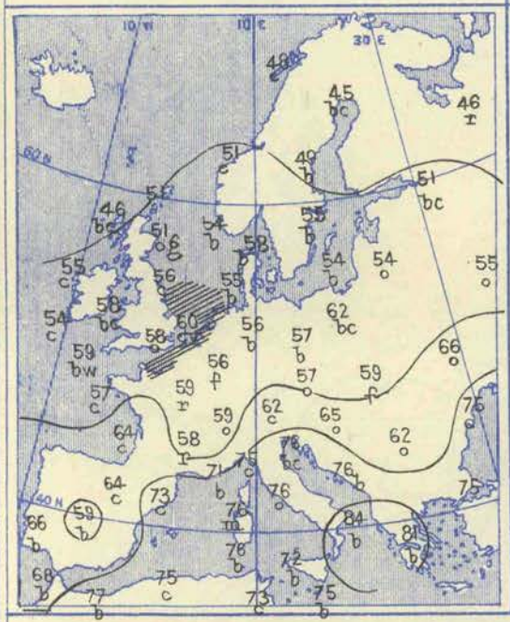
Temperature still falling over England and the north of France. Morning readings highest, 83° at Patras, 81° at Brindisi, Lesina and Trieste, 79° to 70° over the Mediterranean, and 69° to 60° over central Europe. Lowest (1), 45° at Archangel, 46° to 48° in Lapland, 50° at Hangö; (2) 46° to 53° in Scotland, 53° at Parsonstown, 56° at Loughborough. Rising later to 97° at Brindisi, 88° at Sfax and Trieste, 82° at Nice, 75° at Paris, but not touching 65° at any of our own stations except Rochefort, and only 56° at Aberdeen.

Wind light and anticyclonic (1) over Scotland and the west of Norway, (2) over south-eastern Europe. Cyclonic (1) over France and the south of England—the Easterly wind in the latter region being strong, and (2) from West and North-West over northern Europe. Blowing a moderate gale from East on our south-east coasts later on, but falling lighter on our western coasts.

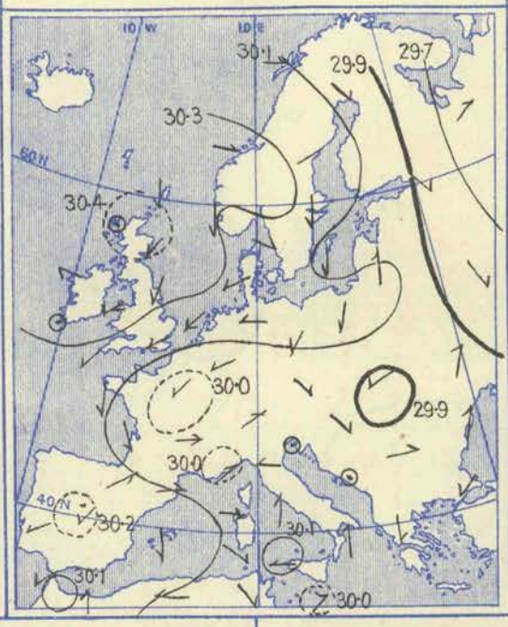
Barometer highest, 30·3 ins. and more over Scotland and the west of Norway, and exceeding 30·1 ins. over all the northern half of our Islands, the North Sea, the western part of the Baltic and southern half of Scandinavia. Lowest, 29·7 ins. and less to 29·8 ins. in a depression over the west of France, below 29·8 ins. at Cagliari, and below 29·9 ins. over the north of Russia. French depression moving north-eastward later and another minimum appearing near Vienna.

Tuesday, 28th August.

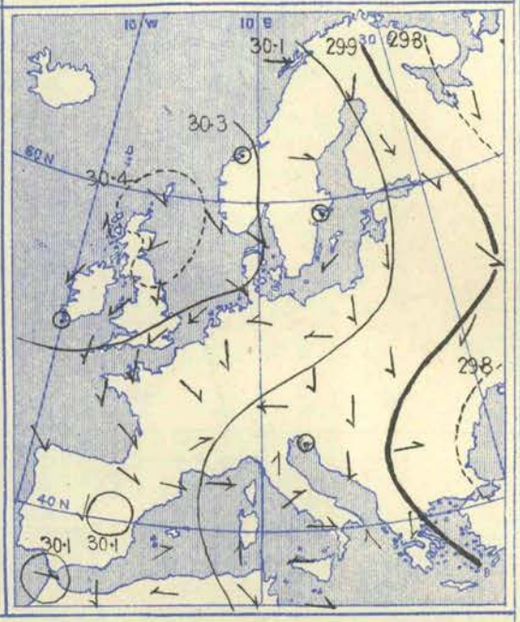
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean and at many of the stations in Denmark, Scandinavia and Finland; dull over the British Islands, with very slight rain in a few places, as well as at Archangel and in some parts of France. Very slight and widely separated falls later, except in some parts of Germany and the east of France; thunder heard in London, and much cloud continuing over the south of England.

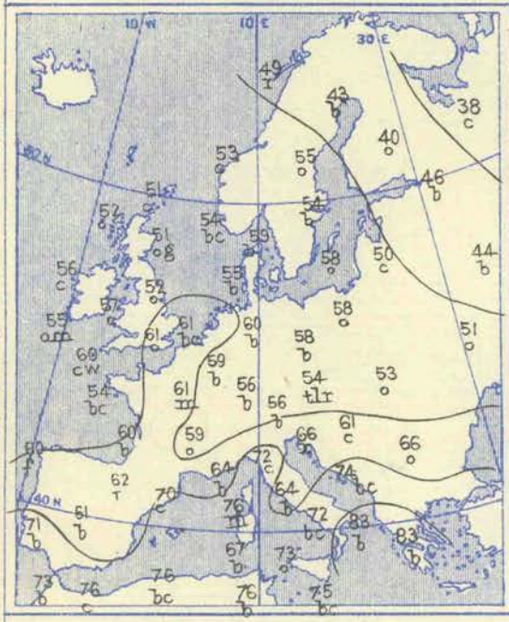
Temperature in morning highest, 84° at Brindisi, 81° at Patras, exceeding 70° at most Mediterranean stations and at Nicolaieff, and exceeding 60° over south-eastern Europe. Lowest, 45° to 48° over the extreme north of Europe, 46° at Stornoway, 51° at Christiansund and Aberdeen, 54° at Parsonstown. Not exceeding 65° later in any part of our Islands, and touching only 63° at Paris, but 73° at Frankfort, 81° at Nice.

Wind light and anticyclonic over Ireland, Scotland and the west of Norway—still cyclonic over the east and south of our Islands and France, and blowing strongly on our south-east coasts; very variable over central and eastern Europe. Moderating very slowly at our eastern stations later, and becoming very light and variable in Ireland and Scotland.

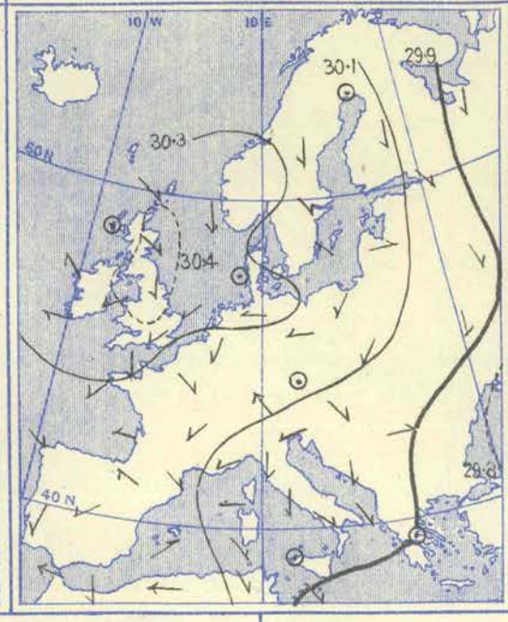
Barometer highest, (1) 30·4 ins. and more in Scotland, and exceeding 30·3 ins. all over Ireland, north Britain and the west of Norway; (2) 30·2 ins. to 30·1 ins. over Spain. Lowest, 29·7 ins. and less over the north-east of Russia, 29·85 ins. at Lemberg, and below 30·0 ins. over the Riviera and Cagliari. Hardly any change later beyond a general rise of barometer over France and the south of England.

Wednesday, 29th August.

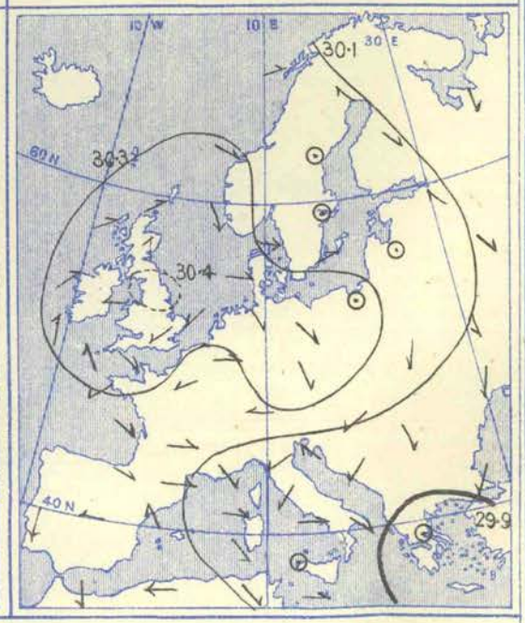
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the British Islands and their neighbourhood; clear and bright in the north of France, the Netherlands and north-west of Germany and north of Russia; cloudy in the British Islands. Rain reported at Bodö and also at Biarritz; a thunderstorm at Prague. A little rain falling sporadically later at a few widely distant stations in various parts of Europe, but, as a whole, weather fine and dry.

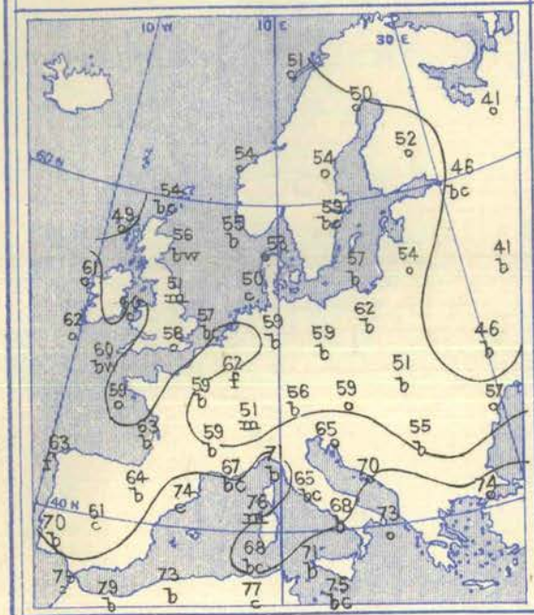
Temperature in morning, 83° at Patras and Brindisi, and much above 70° on the southern side of the Mediterranean, at Lesina and Leghorn. Above 60° on the shores of the English Channel, at Yarmouth and the Helder. Lowest, 38° at Archangel, 40° at Kuopio, 46° at St. Petersburg, 49° at Bodö, 50° at Loughborough, and below 60° over Germany and central France. Rising later to 70° at Loughborough, 71° in London, 73° at Frankfort, 74° at Paris, 79° at Nice, 82° at Lisbon, and to 86° at Brindisi, 88° at Cagliari and Sanguinaire.

Wind light and variable (anticyclonic) over the British Isles, the North Sea, and all the north-western parts of Europe; light, Northerly to North-Westerly, over Sweden and the northern half of Russia; light and variable over Italy and adjacent parts of the Mediterranean and Adriatic; North-Easterly over Spain. Becoming North-Westerly and North-Easterly in the latter regions later, but backing to South-West at Bodö.

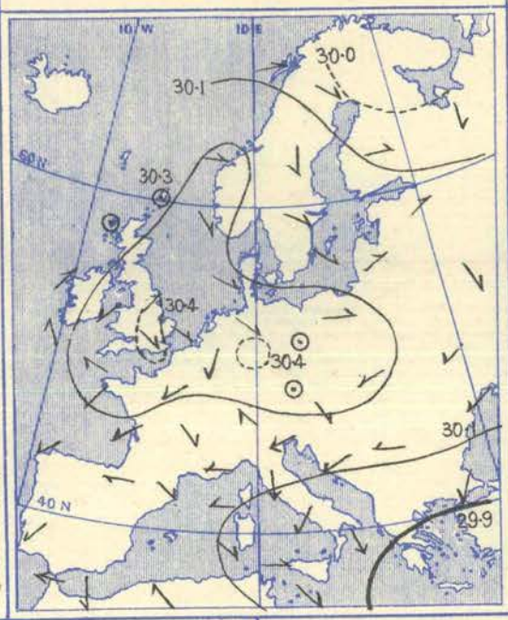
Barometer highest, 30·4 ins. and more over the east of Scotland and north of England, and exceeding 30·2 ins. over the whole of our Islands and north-western Europe. Lowest, 29·8 ins. and less over the south of Russia and part of the Black Sea, and below 30·0 ins. over Italy and the extreme south-east of France. Rising later in the south of Russia. Not much change elsewhere.

Thursday, 30th August.

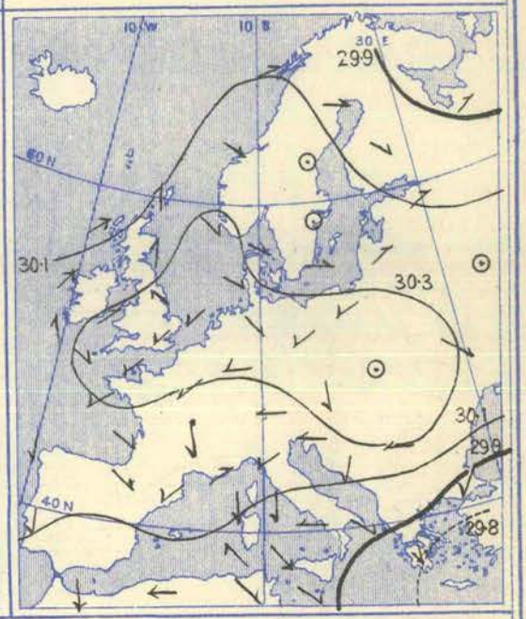
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over nearly the whole of central and north-western Europe, but still cloudy or hazy over England and foggy (locally) at Roche's Point and at Brussels. A little rain at the stations in Lapland later and at one or two widely separated stations in Europe, but remaining fair generally elsewhere.

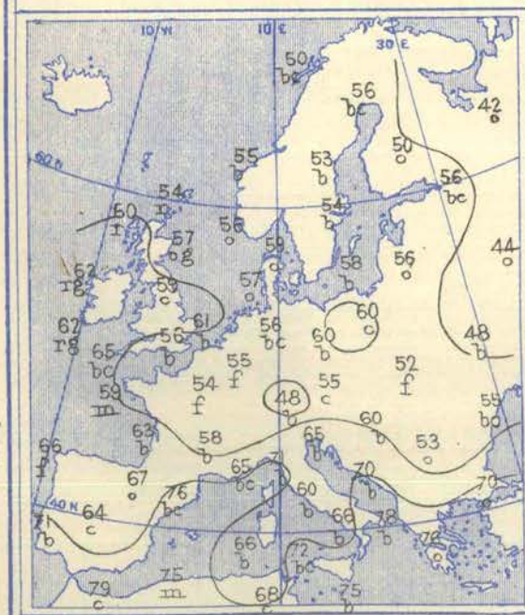
Temperature risen decidedly over Finland, fallen a little over Russia, and the south of France. Morning readings exceeding 70° over the greater part of the Mediterranean, the Adriatic, and at Constantinople, and exceeding 60° in the south of France, and over the English Channel, on the Welsh coast, and on the south shore of the Baltic. Lowest, 41° at Archangel and Moscow, 46° at St. Petersburg, 50° at Warsaw, 55° at Prague, 49° at Stornoway, 51° at Leith, 55° at Donaghadee. Touching 70° at Parsonstown later, 71° in London, 73° at Jersey and Frankfort, 84° at Perpignan, and Lisbon, 86° at Cagliari.

Wind still light and anticyclonic over England, the east of Ireland and the greater part of Europe, but (1) moderate to strong from North-East and North-West over Italy; (2) moderate from West and North-West over northern Europe; and (3) from South in the west of Ireland. The Southerly wind in the west of our Islands encroaching later, and a fresh South-Westerly breeze setting in at Stornoway. Little change of importance elsewhere.

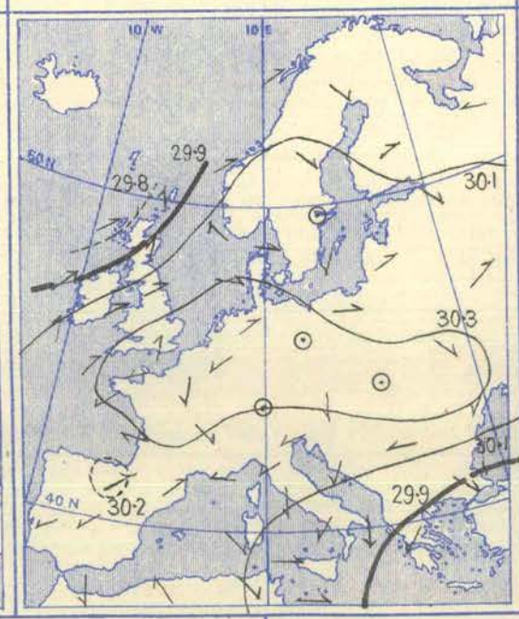
Barometer highest in morning, 30·4 ins. and more over central England and at Münster, and exceeding 30·3 ins. over all but the western parts of our Islands, as well as the North Sea and Germany. Lowest, (1) 29·9 ins. and less to 30·0 ins. over south-eastern Europe; 30·0 ins. and less over the north of Russia. The fall at our western stations increasing later and spreading eastwards and northwards. The large anticyclone decreasing in intensity and moving south-eastwards.

Friday, 31st August.

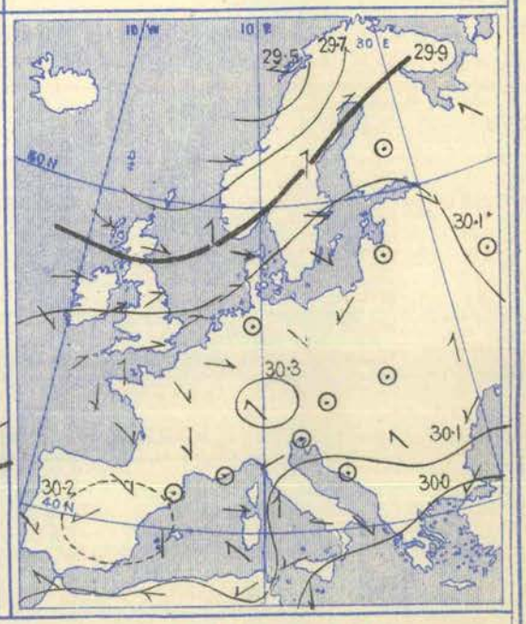
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and quiet over nearly the whole of continental Europe, including the greater part of the North Sea and the south of England. Dull, unsettled and rainy over Ireland and Scotland, with an altogether unsettled appearance. Rain later in all parts of the United Kingdom—most in the west and north; a good deal of bright sunshine at Pembroke, Scilly, and a moderate amount in London—hardly any in the north. Remaining fine over France and Germany.

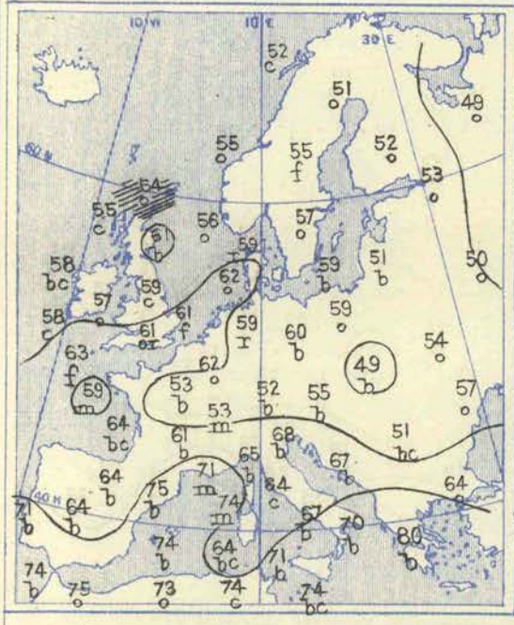
Temperature rising decidedly in Scotland and Ireland, changed irregularly elsewhere. Morning readings highest, 79° at Algiers, and exceeding 70° at most of the Mediterranean and Adriatic stations; and above 60° over the greater part of our Islands. Lowest, 42° at Archangel, 43° at Kharkov, 44° at Moscow, 48° at Kiev and at Cracow, 50° at Bodö, and also at Odessa. Rising later to 70° at Liverpool, 73° at Loughborough and Scilly, 75° in London and at Brussels, 77° at Frankfort, 86° at Rochefort.

Wind (1) very light and anticyclonic over continental Europe—Easterly in the south, South-Westerly to Westerly in the north. (2) Cyclonic, South-Westerly on the western and northern coasts of our Islands, and blowing strongly at Blacksod Point. The South-Westerly wind becoming general later and blowing strongly at several of our western stations, a Southerly gale at Skudesnaes. Shifting to West-North-West at Stornoway by 6.0 p.m.

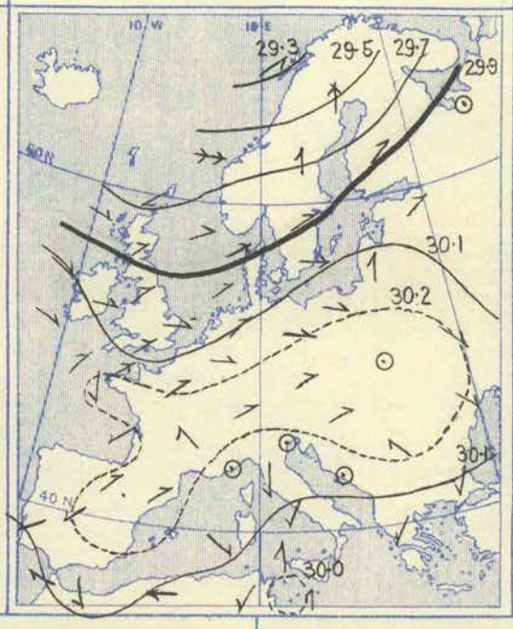
Barometer highest, 30·3 ins. to 30·2 ins. in a large anticyclone covering Germany, Belgium, France, and the southern part of the British Islands. Lowest, (1) 29·9 ins. and less over Asia Minor, and (2) below 29·8 ins. off the north-west of Scotland. Depression in north-west moving north-eastwards later and barometer rising in the north-west, but still falling at Valencia, as well as over the North Sea.

Saturday, 1st September.

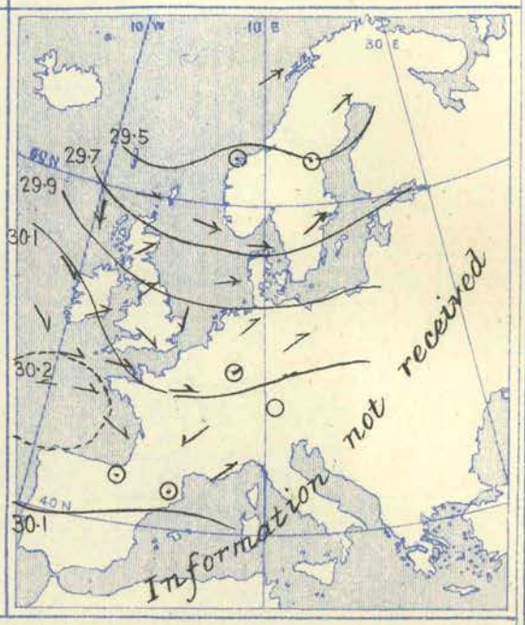
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean and southern Europe, as well as at many places in the central and eastern countries, dull, changeable, and unsettled over the British Islands and Norway, rainy at several stations in England. Rain later in most parts of our Islands, Scandinavia, and Germany, but considerable bright sunshine in Scotland.

Temperature fallen at the British stations, changed irregularly on the Continent. Morning readings highest, 80° at Patras, 70° and more at most of the Mediterranean stations, above 60° over the south of England, 61° at Memel. Lowest, 49° at Archangel, 50° at Moscow, 52° at Bodö, 54° at Sumburgh Head, 57° at Malin Head. Not touching 70° in any part of our Islands later, but reaching 72° at Berlin, 80° at Paris, 85° at Perpignan, 82° at Lisbon.

Wind light and anticyclonic over France, southern and central Europe. Cyclonic, South-Westerly and Southerly, and stronger over the northern and north-western countries, and blowing a gale in the north-west of Norway; veering to North-West in the south of Ireland. Becoming more generally North-Westerly at our western stations later, veering to North at Stornoway, and to West in Denmark and the west of Norway.

Barometer highest, 30·2 ins., and more in an anticyclone of irregular form lying over Germany and France. Lowest, 29·3 ins. to 29·6 ins. in a depression off the north-west of Norway, and below 30·1 ins. in a secondary over Wales and the west central parts of England, as well as over northern Africa, south of Italy, and south-eastern Europe. Rising later in the north of Ireland and west of Scotland, falling over the North Sea and Germany.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of this week there were two high-pressure areas shown—one over south-eastern Europe, and the other advancing from north-west over the north of Scotland. Two low-pressure systems were also apparent—one near Archangel (with a "V"-shaped secondary stretching south-westwards over the Baltic), the other over Spain. Cold, dry weather was spreading over our Islands with North-Easterly winds, while the Spanish depression was bringing with it rain and Easterly breezes, which subsequently spread North-Eastwards over France, Belgium, Germany, and the most southern parts of England. The north-east of Germany and west of Russia also had disturbed weather with the depression in their neighbourhood. The anticyclone over south-eastern Europe soon gave way, but that over Scotland increased greatly in size, and, moving South-Eastwards, became the dominant system all over Europe, so that by Thursday it covered the whole of the United Kingdom, the North Sea, Germany and the north of France, and subsequently was still more general. Its winds were light and the weather cool, and bright.

On Thursday night, however, the north-western part of the system began to give way on our western coasts, and by Friday morning the south-eastern part of a well-marked depression lay off the north-west of Scotland, moving north-eastwards, and its secondary came towards Valencia later in the day. Unsettled, mild, rainy weather, with South-Westerly to Westerly winds became general over the British Islands and their neighbourhood, and were prevailing when the week closed, except in the south of Ireland, where a veering to North-West was shown.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 206.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	22·0	?	22	?	BRIGHTON	39·0	− 7·0	41	− 6
STRATHPEFFER SPA	22·8	− 3·7	23	− 3	WORTHING	39·4	?	41	?
EDINBURGH	12·7	−19·1	13	−18	BOGNOR	34·0*	?	36*	?
MORPETH	19·4	?	20	?	WATERGATE (Emsworth)	27·3	?	29	?
NEWCASTLE-ON-TYNE	12·8	?	13	?	WESTBOURNE (Emsworth)	32·4*	−10·8	34*	−11
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	30·1	?	32	?
YORK					SOUTHPORT	47·8	?	50	?
LOWESTOFT	33·2	?	35	?	RHYL	42·5*	?	44*	?
HOLLESLEY BAY	40·3	?	42	?	COLWYN BAY	44·1	?	46	?
SHEFFIELD	25·0	?	26	?	ABERDOVEY	29·8*	?	31*	?
WORKSOP	30·0	− 0·5	31	− 1	TENBY	39·1	− 2·1	41	− 1
THURCASTON (Leicestershire)	28·9	− 5·5	30	− 5	NEWQUAY	36·0	− 7·0	38	− 6
MARGATE	34·5	− 5·0	36	− 5	TORQUAY	35·6	− 8·4	37	− 9
EASTBOURNE	39·1	− 2·8	41	− 2	GUERNSEY	31·7*	−21·2	34*	−19

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 36.] *Third Series* WEEK ENDING SATURDAY, SEPTEMBER 8TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 212.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	34	57·4	47·3	52·1	1 below	71	− 7	0	0	1630	+138	639	+ 16
	1. SCOTLAND, EAST	70	30	60·6	46·3	53·1	1 below	78	−14	0	0	1780	− 45	697	+ 48
	2. ENGLAND, N.E.	71	39	62·4	49·2	55·5	1 below	95	− 6	0	0	2043*	+108	518	− 31
	3. ENGLAND, EAST	74	39	65·6	48·1	56·4	2 below	99	−13	0	0	2412	+161	530	− 87
	4. MIDLAND COUNTIES	72	36	65·5	45·1	54·8	2 below	90	−20	0	0	2319	+ 67	567	− 52
	5. ENGLAND, SOUTH	77	35	67·3	47·0	56·7	3 below	103	−21	0	0	2534	+ 99	389	− 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	65	37	60·3	47·0	53·3	2 below	79	−13	0	0	1978	+ 74	506	+ 44
	7. ENGLAND, N.W.	67	32	62·0	48·8	55·1	2 below	92	−15	0	0	2135	+ 68	452	− 7
	8. ENGLAND, S.W.	77	33	66·5	45·7	55·6	2 below	95	−16	0	0	2371	+ 91	336	− 25
	9. IRELAND, NORTH	67	33	60·9	48·1	54·2	1 below	85	−13	0	0	2050	+ 29	416	+ 21
	10. IRELAND, SOUTH	69	37	64·6	46·5	55·1	2 below	92	−16	0	0	2341	+ 61	373	+ 74
	—CHANNEL ISLANDS	73	52	67·4	54·8	60·8	1 above	132	+ 6	0	0	2856	+304	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 212.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	9	1 less	170	+ 7	30·7	− 0·3	10	−10	11	− 8	879	+ 20	26	0
	1. SCOTLAND, EAST	5	4	2 less	144	+11	22·6	+ 1·9	19	−11	21	−10	908	−120	27	− 3
	2. ENGLAND, N.E.	2	3	2 less	123	− 2	20·5	+ 3·6	29	+ 1	31	+ 2	954*	− 52	29	− 1
	3. ENGLAND, EAST	1	1	4 less	124	+ 3	17·9	+ 1·4	43	+ 5	47	+ 6	1324*	+ 51	38	+ 1
	4. MIDLAND COUNTIES	0	—	6 less	116	− 3	20·0	+ 1·5	44	+14	48	+16	1111	+ 64	35	+ 2
	5. ENGLAND, SOUTH	1	1	5 less	112	− 2	18·0	+ 0·1	59	+17	64	+19	1373	+ 90	41	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	7	4 less	153	+13	35·2	+ 2·4	33	+ 1	36	+ 3	1050	− 37	31	− 1
	7. ENGLAND, N.W.	2	1	6 less	128	− 1	23·9	+ 2·3	52	+19	56	+22	1211	+ 92	35	+ 2
	8. ENGLAND, S.W.	1	1	8 less	133	+ 4	27·6	+ 2·2	66	+26	72	+30	1386	+ 70	42	+ 2
	9. IRELAND, NORTH	3	2	6 less	159	+ 6	24·2	+ 1·2	29	+ 2	31	+ 2	1043	+ 45	31	+ 1
	10. IRELAND, SOUTH	0	—	8 less	140*	+ 2	28·1	+ 2·5	52	+20	57	+23	1146	+ 19	34	0
	— CHANNEL ISLANDS	1	1	5 less	140	+ 4	21·0	+ 1·2	69	+18	75	+24	1541	+ 90	49	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was very fine and dry over the Kingdom as a whole, but in the extreme northern and north-western districts the conditions became rather unsettled and rainy soon after the week commenced and continued so until its close.

Temperature was again slightly above the mean in the Channel Islands, but below it in all other districts, the deficit in England S. being 3°. The highest of the maxima were recorded during the latter days of the week, and ranged from 77° in England S. and S.W., and 74° in England E., to 65° in Scotland W. and 63° in Scotland N. The lowest of the minima, which were registered on the 3rd in the north, but during the latter half of the week at the southern stations, ranged from 30° in Scotland E. (at Braemar), 32° in England N.W., and 33° in England S.W. and Ireland N., to 39° in England N.E. and E., and to 52° in the Channel Islands.

Rainfall was less than the mean in all districts. Over England and in the south of Ireland the fall was extremely slight; at several stations there was no rain whatever.

Bright Sunshine was much above the mean in most districts, but below it in Scotland N. and E. The percentage of the possible duration ranged from 75 in the Channel Islands, 72 in England S.W., and 64 in England S., to 31 in Ireland N., and England N.E., 21 in Scotland E., and 11 in Scotland N.

Barometer and Wind—At the commencement of the week a small depression was shown over the mouth of the Channel, while an anticyclone lay off our north-western coasts. The former system soon dispersed, but the latter moved south-eastwards, and for some days covered all the more southern parts of our Islands and subsequently dispersed over the Continent. During the latter half of the week our northern coasts were affected by depressions arriving from the westward or north-westward, and by the end of the period an irregularly shaped "trough" of comparatively low temperature extended from Scotland and the North Sea to the Netherlands and the south-west of France. The winds were at first Northerly, but afterwards became chiefly Westerly in the more northern districts and finally in the south also. At the end of the week, however, they drew into North-West or North over Ireland and England.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 211 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	56	44	54·1	47·1	50·4	− 1·0	59	0	5	0·45	− 0·35	*	*	*	*
	Stornoway	62	36	57·9	44·9	51·1	− 1·0	64	0	6	0·82	− 0·08	16·0	− 9·8	17	−10
	Wick	61	38	58·0	47·9	52·7	− 0·1	75	0	4	0·70	+ 0·10	*	*	*	*
	Lairg Ⓢ												*	*	*	*
	Glencarron Ⓢ	59	35	56·0	46·8	51·2	− 1·7	64	0	? 5	2·01	+ 0·42	*	*	*	*
	Fort Augustus Ⓢ	61	34	59·4	48·4	53·6	− 1·2	81	0	5	0·68	− 0·14	11·2	− 6·4	12	− 7
	Fort William Ⓢ	63	36	59·0	48·6	53·6	− 1·8	81	0	5	0·87	− 0·62	10·7	−10·5	11	−11
1. SCOTLAND, E.	Nairn	63	33	60·7	45·4	52·7	− 1·7	75	0	5	0·48	− 0·04	*	*	*	*
	Aberdeen	65	37	60·3	48·4	54·1	− 0·2	85	0	6	0·38	− 0·24	17·1	−15·1	18	−16
	Braemar Ⓢ	60	30	55·8	44·4	49·8	− 1·3	55	0	5	0·42	− 0·48	18·3†	− 7·5†	20†	− 8†
	Ochtertyre Ⓢ	69	34	63·9	46·6	54·8	+ 0·1	90	0	5	0·51	− 0·23	*	*	*	*
	Leith	70	38	62·3	47·3	54·4	− 1·6	87	0	3	0·35	− 0·15	*	*	*	*
	Marchmont Ⓢ	66	37	60·4	45.6	52.6	− 1·4	74	0	4	0·49	− 0·21	25·3	− 6·0	27	− 5
2. ENGLAND, N.E.	Alnwick Castle	71	40	63·1	48·7	55·6	+ 0·8	95	0	3	0·35	− 0·25	*	*	*	*
	Durham	68	39	61·8	47·6	54·4	− 1·3	87	0	3	0·41	− 0·09	28·4	− 1·6	31	− 1
	Shields	70	41	61·9	48·0	54·6	− 1·2	88	0	1	0·40	− 0·14	*	*	*	*
	Scarborough Ⓜ	67	46	63·9	49·4	56.3	− 0·1	100	0	1	0·21	− 0·33	*	*	*	*
	Spurn Head	66	50	61·4	52·3	56·6	− 1·1	102	0	2	0·10	− 0·29	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	72	45	65·3	50·6	57·6	0·0	109	0	1	0·03	− 0·53	35·6	+ 0·6	39	+ 1
	Yarmouth	69	46	63·0	50·4	56·4	− 1·7	101	0	1	0·16	− 0·37	*	*	*	*
	Geldeston	71	42	65·1	46·2	55·2	− 2·8	92	0	2	0·18	− 0·30	38·7	− 0·4	42	0
	Cambridge	74	41	68·1	46·7	56·9	− 1·6	104	0	2	0·04	− 0·44	45·4	+ 7·9	49	+ 9
	Felixstowe	72	46	66·4	50·4	58·0	− 0·3	112	0	1	0·05	?	45·7†	?	50†	?
	Rothamsted	70	39	64·9	44·4	54·2	− 2·9	85	0	1	0·02	− 0·52	47·7	+10·6	52	+12
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	68	46	63·3	48·9	55·8	− 1·0	97	0	0	—	− 0·48	*	*	*	*
	Loughborough	72	40	66·7	43·6	54.6	− 3·5	88	0	0	—	− 0·53	*	*	*	*
	Cheadle Ⓜ	67	41	63·0	45·1	53·6	− 1·5	81	0	0	—	− 0·78	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	71	43	64·6	48·7	56·2	− 0·6	100	0	1	0·02	− 0·60	36·8	?	40	?
	Churchstoke Ⓜ	72	36	66·6	42·1	53·8	− 1·8	83	0	1	0·01	− 0·58	56·8	+21·9	62	+25
	Hereford (Belmont) Ⓜ	72	37	67·4	44·0	55·1	− 2·5	92	0	0	—	− 0·54	*	*	*	*
	Cirencester	72	37	65·0	43·1	53·5	− 2·6	81	0	0	—	− 0·62	56·0	+19·7	61	+22
	Oxford	72	41	67·3	45·6	55·9	− 2·4	97	0	0	—	− 0·50	53·0	+15·0	58	+18
5. ENGLAND, S.	London	73	41	67·9	46·4	56·6	− 3·1	102	0	0	—	− 0·50	44·3†	+10·3†	48†	+12†
	Swarraton (Alresford) Ⓜ	76	35	67·5	39·9	53·0	− 5·6	86	6	0	—	?	*	*	*	*
	Dungeness	70	42	65·9	46·9	55·9	− 3·9	97	0	0	—	− 0·49	51·4	?	56	?
	Hastings (St. Leonards)	71	46	65·8	50·4	57·7	− 1·8	110	0	1	0·01	− 0·49	61·2	+19·2	67	+22
	Southampton	77	41	71·3	45·9	58·0	− 1·7	112	0	1	0·07	− 0·51	64·0	+21·0	70	+25
	Portland Bill	6s	46	65·3	50·6	57·6	− 1·8	109	0	2	0·23	?	*	*	*	*
	Shaftesbury Ⓜ	76	44	67·6	49·0	57·9	+ 0·3	111	0	1	0·05	− 0·63	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	64	37	59·5	47·6	53·3	− 1·5	79	0	6	1·38	+ 0·03	*	*	*	*
	Glasgow	63	39	59·2	49·1	53·9	− 0·7	83	0	4	0·89	− 0·01	18·6	− 9·1	20	− 8
	Glenlee Ⓢ	64	39	60·9	45·8	53·0	− 2·4	77	0	3	0·30	− 0·74	*	*	*	*
	Douglas (Isle of Man)	65	37	61·6	45·4	53·1	− 2·8	78	0	1	0·05	− 0·82	47·2	+11·9	51	+14
7. ENGLAND, N.W.	Newton Reigny	67	32	63·0	42·1	52·1	− 2·1	71	0	1	0·41	?	32·3	?	35	?
	Stonyhurst	63	39	59·9	47·0	53·1	− 3·6	78	0	4	0·29	− 0·86	48·0	+17·0	52	+19
	Blackpool Ⓜ	64	38	61·6	50·0	55·5	− 2·6	95	0	3	0·19	− 0·56	48·5	+16·6	52	+19
	Manchester (Prestwich)	67	41	62·8	46·1	54·1	− 3·3	85	0	1	0·01	− 0·81	40·8	?	44	?
	Liverpool Obsy. (Bidston)	63	46	61·3	51·7	56·3	− 2·4	100	0	1	0·03	− 0·61	59·6	?	65	?
	Llandudno Ⓜ	67	44	63·6	53·5	58·3	− 1·0	114	0	2	0·08	− 0·52	56·8	+24·9	62	+28
	Holyhead	63	46	61·7	50·9	56·0	− 1·7	98	0	0	—	− 0·70	*	*	*	*
8. ENGLAND, S.W.	Llandovery	73	33	70.3	40·1	54·5	− 2·7	95	5	1	0.04	− 0·96	*	*	*	*
	Pembroke	65	46	62·4	50·3	56·1	− 1·7	99	0	1	0·01	− 0·66	60·4	+20·5	66	+25
	Clifton	?	?	?	?	?	?	?	?	0	—	− 0·70	*	*	*	*
	Arlington (N. Devon)	74	38	66·3	44·1	54·7	− 1·9	89	0	2	0·06	− 1·00	*	*	*	*
	Cullompton Ⓜ	77	34	70·4	41·3	55·2	− 2·9	95	2	1	0·02	− 0·60	68·0	+30·0	74	+34
	Falmouth	67	48	62·3	51·8	56·8	− 1·5	104	0	3	0·03	− 0·85	67·3	+25·3	74	+30
	Plymouth	71	42	67·0	46·8	56·4	− 2·9	101	0	1	0·18	− 0·48	66·0	+26·1	72	+30
9. IRELAND, N.	Malin Head	60	51	58·3	52·9	55·5	− 0·6	95	0	5	0·07	?	*	*	*	*
	Londonderry	64	41	61·2	49·5	55·1	− 0·7	92	0	3	0.29	− 0·53	*	*	*	*
	Edenfel (Omagh)	63	33	60·1	45·6	52·5	− 1·8	73	0	3	0·28	− 0·50	*	*	*	*
	Blacksod Point	62	41	60·7	50·1	55·2	− 1·6	92	0	3	0·05	?	*	*	*	*
	Markree Castle	67	33	62·0	45·0	53·1	− 1·5	78	0	3	0·17	− 0·71	28·2	+ 1·3	30	+ 2
	Armagh	67	38	62·7	46·7	54·3	− 0·8	86	0	4	0·29	− 0·36	30·2	+ 3·6	32	+ 3
	Donaghadee	66	43	61·1	46·9	53·7	− 2·0	82	0	3	0·17	− 0·51	*	*	*	*
10. IRELAND, S.	Dublin	66	43	64·4	49·0	56·3	− 0·8	100	0	0	—	− 0·50	48·3	+24·2	53	+27
	Parsonstown	67	37	64·3	45·4	54·4	− 1·5	87	0	0	—	− 0·65	46·1	+17.9	50	+19
	Kilkenny	69	37	66·0	44·6	54·8	− 2·5	90	0	0	—	− 0·79	*	*	*	*
	Roche's Point	67	46	64·6	49·0	56·4	− 1·1	101	0	0	—	− 0·89	*	*	*	*
	Valencia	64	41	62·6	46·6	54·2	− 3·6	85	0	2	0·02	− 1·10	61·5	+28·7	67	+32
	Killarney	69	37	66·6	43·8	54·7	− 2·9	89	0	0	—	?	*	*	*	*
	Foynes	66	42	63·5	47·2	55·0	− 1·9	91	0	1	0·03	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	69	53	65·4	55·1	60·0	+ 1·1	126	0	1	0·11	− 0·51	68·3	?	75	?
	Jersey	73	52	69·4	54·4	61·5	+ 0·2	137	0	1	0·13	− 0·42	70·7	+19·5	78	+25

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

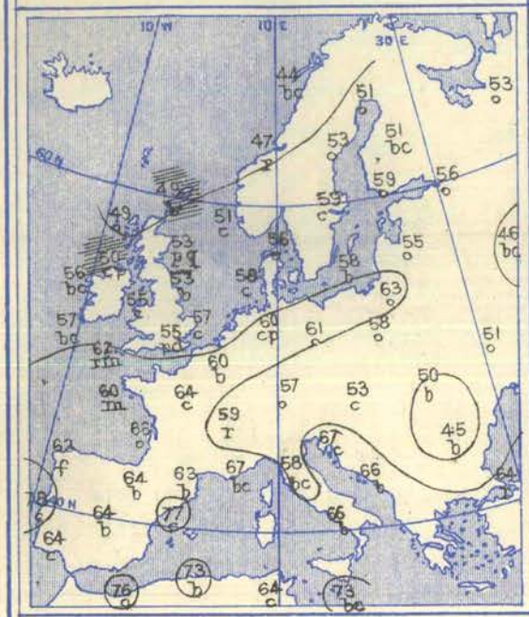
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 2nd September.

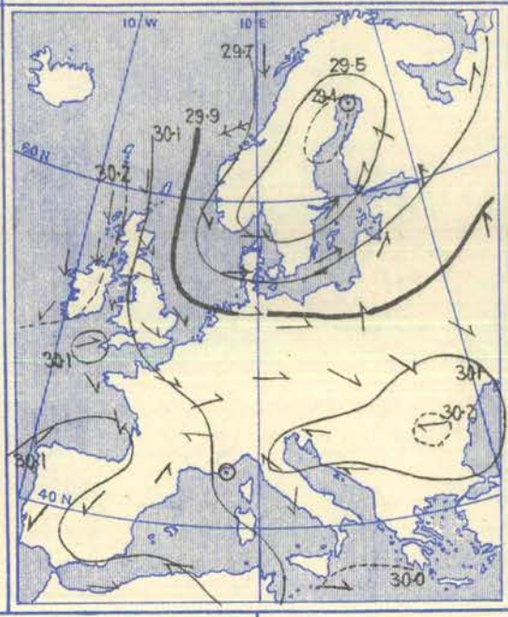
Temperature and Weather.

8 a.m.

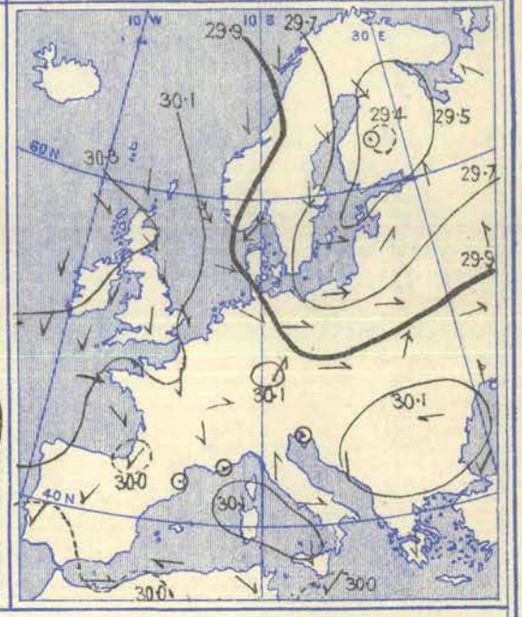


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning fair or fine over western and southern Europe generally, but showery in London and also at Aberdeen and Malin Head. Dull in most of the northern and central countries, with rain at Christiansund and also at Prague, and passing showers at Cuxhaven; fine at many of the Russian stations. Showers falling during day in several parts of Great Britain, and considerable quantities of rain at some stations in northern and central Europe—as much as 1·1 ins. at Munich.

Temperature risen over central and southern Europe, but fallen elsewhere. Morning readings highest, 78° at Oporto, 77° at Barcelona, 76° at Nemours, and 73° at Malta and Algiers; above 65° in many parts of the southern countries. Lowest, 44° at Bodö, 46° at Moscow, and 47° at Christiansund; lowest in our Islands, 49° at Sumburgh Head and Stornoway. Daily maxima below 55° in the north of Scotland, below 60° at our northern stations generally, and below 65° in nearly all parts of the United Kingdom. Thermometer exceeding 80° in many parts of southern Europe and reaching 86° at Bilbao.

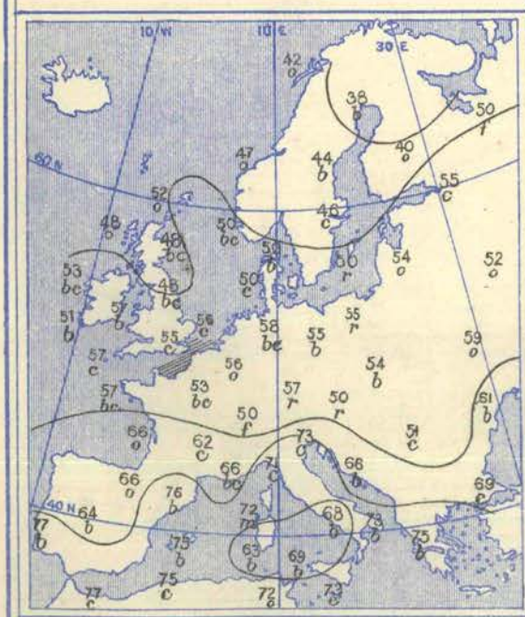
Wind Northerly or North-Westerly over the greater part of our Islands and also in the west of Norway; moderate to fresh in force generally but blowing a slight gale at Wick and Christiansund. Light to fresh from the Westward over Denmark and Germany, South-Westerly over the Baltic, Southerly at most of the Russian stations, light from the Westward over the north of France and the western parts of the Channel, variable in Italy and the south of France, North-Easterly over the Spanish Peninsula. Subsequently increasing to a gale from the Northward in the south of Norway and the north of Denmark; no important change occurring elsewhere.

Barometer highest, 30·2 ins. and upwards in an anticyclone lying over and to the westward of Ireland and also in another system over eastern Austria. Lowest, 29·4 ins. and less in a depression with its centre over the Gulf of Bothnia. Anticyclone in west subsequently spreading eastwards over all the more western and northern parts of the United Kingdom; depression over Gulf of Bothnia moving slowly eastwards across Finland.

Monday, 3rd September.

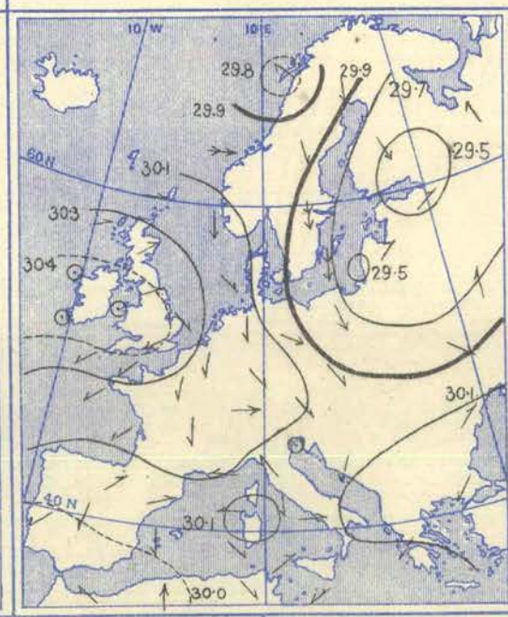
Temperature and Weather.

8 a.m.

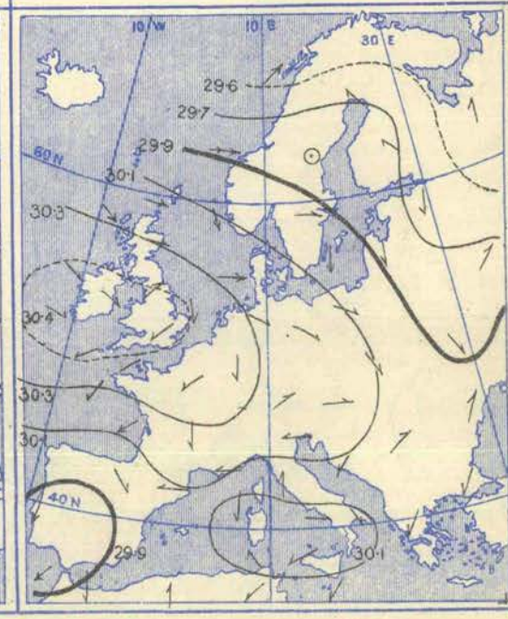


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine over western and southern Europe generally, but dull in some parts of central England, as well as in the Shetlands, the Hebrides, and the west of Norway. Dull in most of the eastern and central countries with rain in several parts of Germany and Austria. Improvement taking place later over central Europe, but heavy rain falling in the west of Norway, and small quantities in the Shetlands and Hebrides.

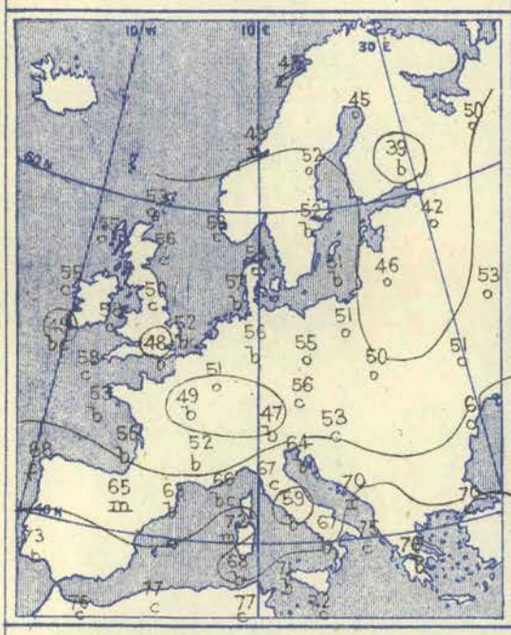
Temperature fallen in all but the central countries. Morning readings highest, 79° at Brindisi, 77° at Lisbon and Nemours, and 76° at Barcelona; above 70° in many parts of southern Europe. Lowest, (1) 38° at Haparanda, 40° at Uleaborg and Kuopio, and 42° at Bodö; (2) 42° at Parsonstown; below 50° at several of our more northern stations. Daily maxima below 60° on many parts of our north-western, and extreme northern coasts, and below 65° over the United Kingdom generally. Thermometer exceeding 80° in most parts of southern Europe, and reaching 91° at Lisbon, and 95° at Toulon.

Wind light from the Westward or South-Westward over the northern parts of the United Kingdom, but from the North-Eastward or Eastward at our southern stations and also over France and the Spanish Peninsula. Northerly in Finland, Sweden, Denmark and north Germany, with a gale at several of the Baltic stations; North-Westerly or Westerly over south Germany, Austria and Italy; South-Westerly or Southerly in the south of Russia. Subsequently backing to the North-Westward or Westward in Denmark and the south of Scandinavia; no important change occurring elsewhere.

Barometer highest, 30·4 ins. and upward over Ireland and the greater part of England; 30·2 ins. and upwards in an anticyclone covering nearly the whole of western Europe. Lowest, 29·5 ins. and less in a large depression over Finland, and also in a small secondary system over the Baltic provinces—anticyclone subsequently extending over the central parts of the Continent; depressions in the north moving eastwards and apparently dispersing.

Tuesday, 4th September.

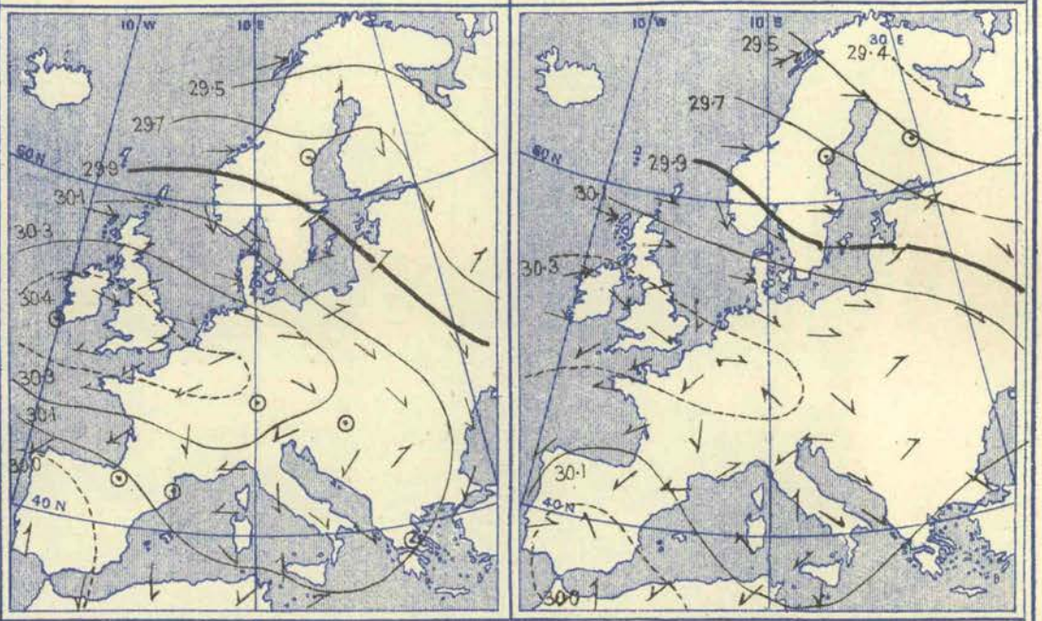
Temperature and Weather. 8 a.m.



Weather in morning fine over western and southern Europe generally, but dull in the northern parts of Ireland and Scotland, as well as in the northern and eastern parts of the Continent; rain falling in the west of Norway, and also at Copenhagen. Rain occurring later in the north of Scotland and in many parts of Scandinavia and Denmark, but amounts mostly slight.

Temperature risen over the northern parts of our Islands and the Continent; fallen elsewhere. Morning readings highest, 77° at Algiers and La Calle, 76° at Oran and Patras, and 75° at Sfax; above 70° in many parts of southern Europe. Lowest, 38° at Uleaborg, 39° at Knopio, and 42° at Helsingfors and St. Petersburg; below 50° at some of the central stations in England and France. Daily maxima below 60° on our own extreme north and north-west coasts, but varying between 60° and 65° in all other parts of the United Kingdom. Thermometer exceeding 75° in the west and south of France, and exceeding 80° over Spain and Italy, the highest readings of all being 90° at Bilbao, and 86° at Lisbon.

Barometer and Wind. 8 a.m. 6 p.m.

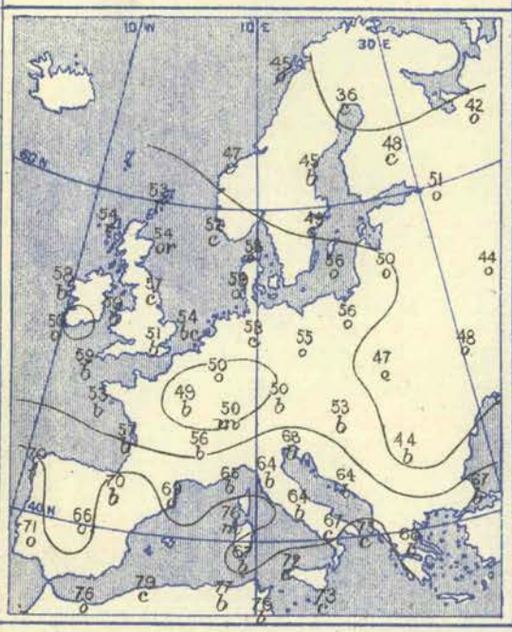


Wind light from the Westward or South-Westward over the greater part of our Islands; moderate to strong from the Westward or North-Westward over Norway, Denmark, and the Baltic; Northerly at most of the Russian stations. Light from the Eastward or North-Eastward over the English Channel and France; variable over the Spanish Peninsula; Northerly in Italy. No important change occurring during day.

Barometer highest, 30·4 ins. and upwards over Ireland, England, and the north of France; 30·2 ins. and upwards in an anticyclone covering the greater part of western and central Europe. Lowest, 29·5 ins. and less in the extreme northern parts of Russia and Scandinavia; 29·9 ins. and less in a shallow depression off the Portuguese coasts. Anticyclone giving way gradually during day; barometer falling in most parts of western and central Europe.

Wednesday, 5th September.

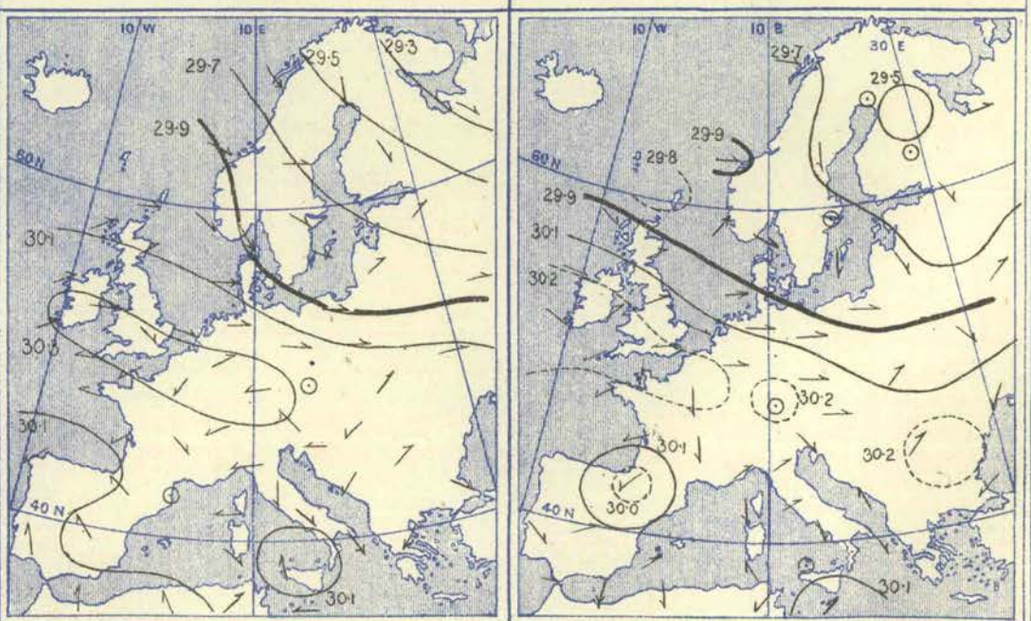
Temperature and Weather. 8 a.m.



Weather in morning fine over England and the western and southern parts of the Continent generally, but dull in Ireland and rainy in the north of Scotland. Cloudy or dull in most of the northern, eastern and central countries, with rain at Karlstad and Copenhagen. A little rain falling later over the northern parts of our Islands and the Continent generally, but weather remaining fine in most other regions.

Temperature risen over Ireland, England and the central parts of the Continent, but fallen elsewhere. Morning readings highest, 79° at Algiers, 77° at La Calle, and 76° at Oran; above 70° at most of the Mediterranean and Spanish coast stations. Lowest, 36° at Haparanda, 42° at Archangel, and 44° at Moscow and Hermanstadt; lowest in our Islands 47° at Roche's Point and 51° in London. Daily maxima below 60° in the north of Scotland, but thermometer exceeding 65° in the central and southern parts of the United Kingdom, and reaching 73° at Jersey. Exceeding 80° in many parts of southern Europe, the highest reading of all being 97° at Bilbao.

Barometer and Wind. 8 a.m. 6 p.m.

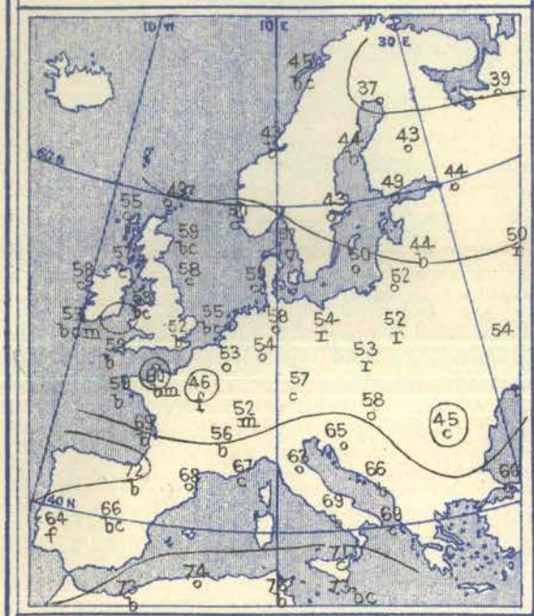


Wind light to moderate from the Westward or South-Westward over the greater part of our Islands, but Easterly or North-Easterly over the western part of the English Channel and over France, and South-Easterly in Spain. North-Westerly over Scandinavia and northern Russia and Westerly in Denmark and north Germany; variable in Austria, Italy and Greece. Subsequently backing to the South-Westward in the south of Scandinavia; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards over the southern parts of our Islands, the north-east of France and south Germany; 30·1 ins. and upwards in an anticyclone covering nearly the whole of western, central and southern Europe. Lowest, 29·3 ins. and less in a depression over the extreme north of Russia; 30·0 ins. and less in a shallow system off the Portuguese coasts. Anticyclone giving way slowly during day; new depression appearing near the Shetlands in evening; Portuguese disturbance moving eastwards to the north-east of Spain.

Thursday, 6th September.

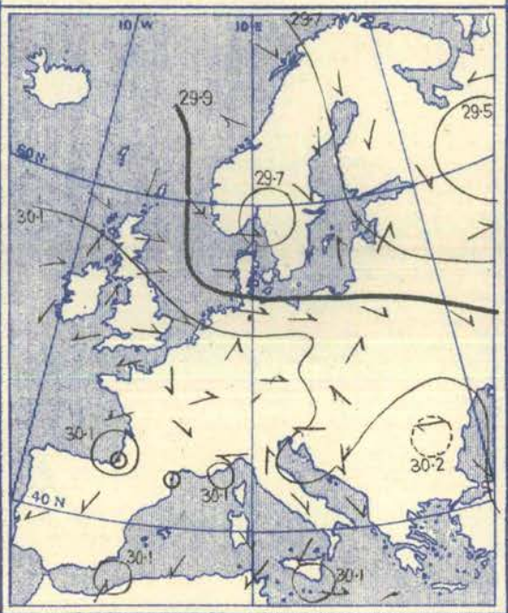
Temperature and Weather. 8 a.m.



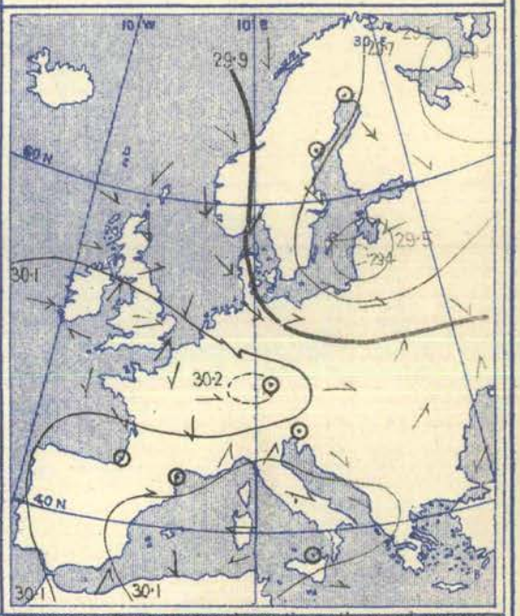
Weather in morning fine over our Islands and the western and southern parts of the Continent generally, but foggy at the mouth of the St. George's Channel. Dull and unsettled over eastern and central Europe, with rain in many parts of Germany, and also at Moscow. A little rain falling later over the northern parts of our Islands generally, as well as in Denmark and the south of Scandinavia; thunderstorm occurring at Biarritz.

Temperature risen a little in our Islands and also in Germany, Austria and the south of Russia, fallen elsewhere. Morning readings highest, 78° at Barcelona, 77° at Sanguinaire, La Calle and Sfax, and 76° at Tunis; above 70° at most of the Mediterranean stations. Lowest, 37° at Haparanda, 39° at Archangel and Uleaborg, and 42° at Karlstad; lowest in our Islands 49° at Sumburgh Head, Roche's Point and Pembroke. Rising during day to 70° or slightly above it in several parts of Great Britain; exceeding 80° in the west and south of France, Spain and southern Italy, and reaching 90° at Bordeaux.

Barometer and Wind. 8 a.m.



6 p.m.

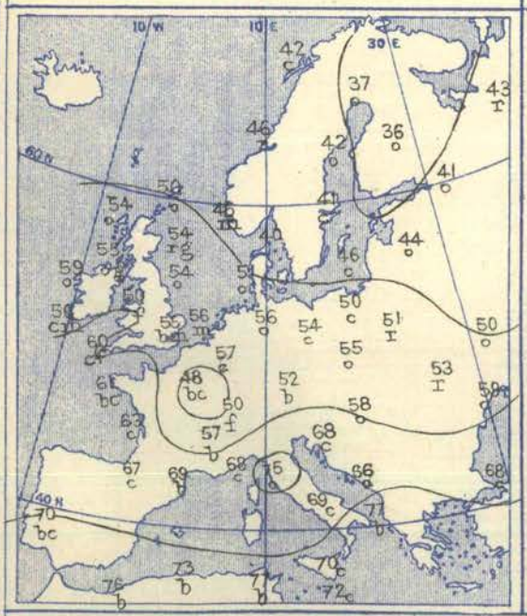


Wind light to moderate from the Westward or South-Westward over the northern and eastern parts of our Islands generally, but North-Westerly or Northerly in the north of Scotland; light from the Eastward or North-Eastward on our south-west coasts and also over France and the Spanish Peninsula. Moderate to strong from the Westward in Denmark and Germany, but North-Easterly at some stations in the south of Scandinavia. Northerly or North-Westerly in Sweden and Finland; Westerly or South-Westerly in the south of Russia; variable in Austria; North-Westerly in Italy. Subsequently veering to the Northward in the south of Scandinavia, and blowing a gale in places.

Barometer highest, 30·2 ins. and upwards over the south of our Islands, Belgium, south Germany and the north-eastern and central parts of France; 30·1 ins. and upwards in an anticyclone covering the greater part of western, central and southern Europe. Lowest, 29·5 ins. and less in a depression over northern Russia; 29·7 ins. and less in another disturbance with its centre over the Skager Rack. Anticyclone giving way gradually later; depression over Skager Rack moving eastwards to the Baltic Provinces.

Friday, 7th September.

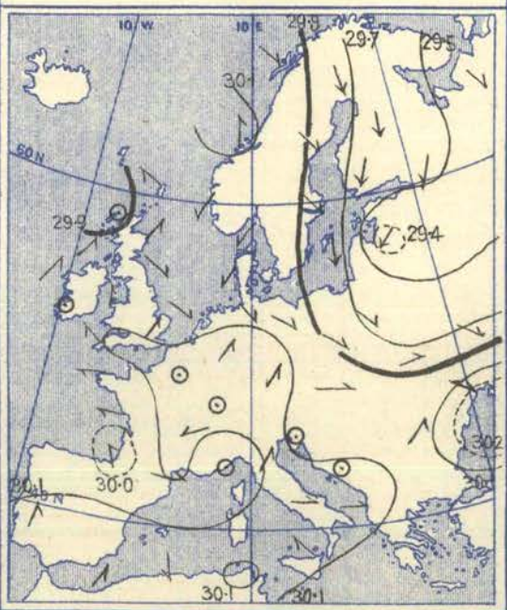
Temperature and Weather. 8 a.m.



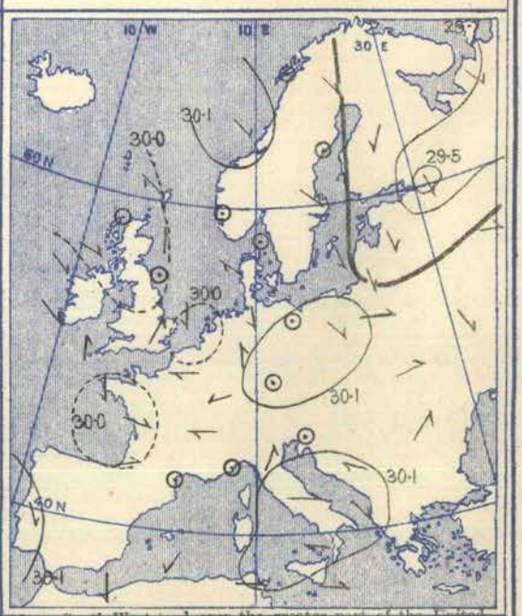
Weather in morning fair or fine over England and the western and southern parts of the Continent generally, but with fog or mist at several of our own central and southern stations. Cloudy or dull in nearly all other parts of Europe, with rain in the east of Scotland, and also over eastern Germany and at Christiansund. Rain falling later in the north-west, north, and east of our Islands generally, as well as at many of the Russian stations; thunderstorms occurring in the south of France.

Temperature fallen in the northern parts of our Islands and the Continent, but risen elsewhere. Morning readings highest, 77° at Barcelona, Brindisi, and La Calle, and 76° at Nemours; above 70° at most of the Mediterranean stations, and above 60° on some parts of our own south and south-west coasts. Lowest, 36° at Uleaborg and Kuopio, 37° at Haparanda, and 38° at Helsingfors; below 45° at many stations in Scandinavia and northern Russia. Rising during day to 65° and upwards over the central and southern parts of our Islands generally, to 72° at Oxford, and to 73° in London; exceeding 80° in many parts of France and southern Europe, and reaching 87° at Bordeaux.

Barometer and Wind. 8 a.m.



6 p.m.



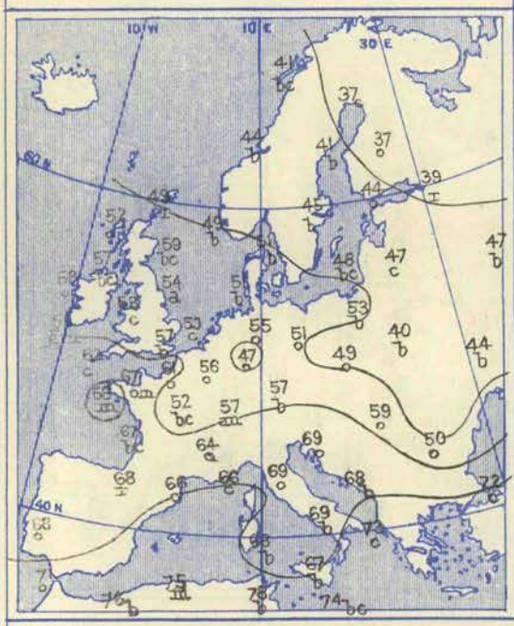
Wind light from the Southward or South-Westward over the greater part of the United Kingdom, but rather variable on our north-east and south-west coasts. Northerly over Scandinavia, Denmark, the Baltic, and northern Russia, and strong in force in places; Westerly in Germany, Austria, and the south of Russia. Light from the Eastward over the greater part of France; variable over Italy and the Spanish Peninsula. Subsequently veering to the North-Westward on our own western coasts; no important change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone of irregular form lying over the eastern part of France and the English Channel, western Germany, Italy, Algeria, and the south of Spain, and also in a small area off the west of Norway. Lowest, 29·4 ins. and less in a depression with its centre over the Baltic provinces; 29·9 ins. and less in a shallow disturbance off the north-west of Scotland; 30·0 ins. and less in another shallow system over the north-east of Spain. Anticyclone gradually dispersing later; depression over Baltic provinces travelling north-eastwards.

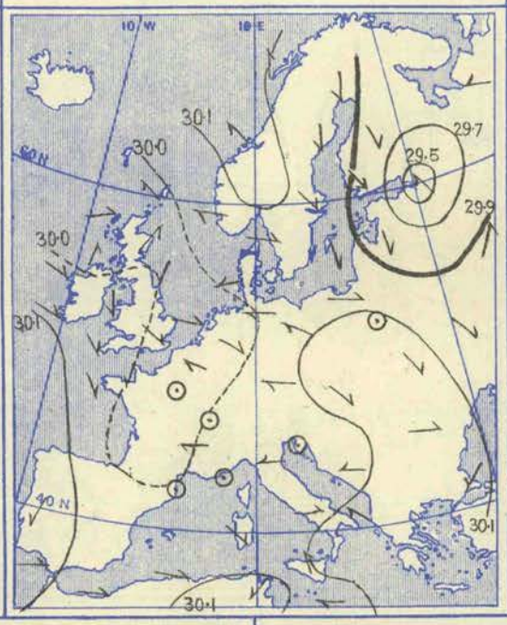
III.—SUMMARY OF WEATHER OVER EUROPE.

Saturday, 8th September.

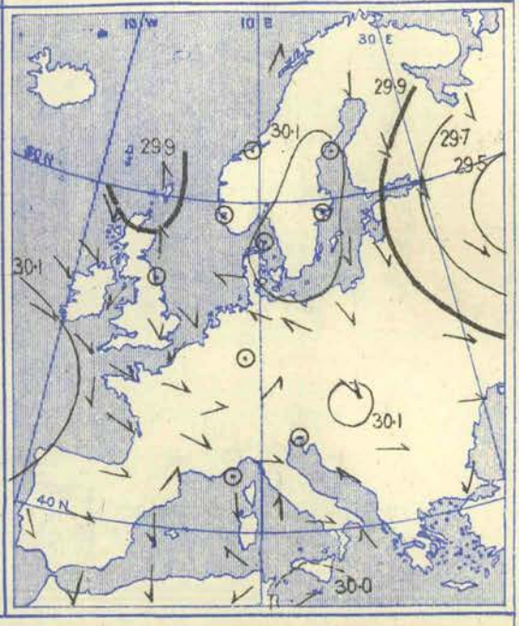
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western Europe as a whole, but dull in the west and south of Ireland, the east of England and the Netherlands, and also over north-western Russia, with rain at St. Petersburg. Some rain falling later on our northern and western coasts, and also over Spain, the north of Russia, Austria, and northern Italy. A thunderstorm occurring at Lyons.

Temperature changed rather irregularly but risen in most places. Morning readings highest, 78° at La Calle, 77° at Tunis and Barcelona, and above 70° at most of the Mediterranean stations. Lowest, 34° at Archangel, 36° at Uleaborg, 37° at Haparanda and Kuopio, and 39° at St Petersburg; lowest in our Islands, 49° at Sumburgh Head, and 52° at Stornoway. Rising during the day to 70° or more at our southern and south-eastern stations, exceeding 80° in the south of France, Algiers, and central Spain, and reaching 99° at Malta.

Wind light from West and South-West in Scotland and Ireland, but North-Westerly over England and the west of France, moderate to fresh from North over the Baltic and north-western Russia, but very light and variable over central and southern Europe generally; subsequently veering to the North-Westward on our north-western and western coasts, but changing very little elsewhere.

Barometer highest, 30·1 ins. and upwards in three high-pressure systems lying respectively over the west of Norway, the western part of the Spanish Peninsula, and over south-eastern Europe. Lowest, 29·5 ins. and less in a well-marked depression over north-western Russia and the Gulf of Finland, and 30·0 ins. and less in a shallow area covering Scotland, eastern and central England, the North Sea, France and north-western Europe. Depression over north-western Russia moving eastwards later, and small shallow system appearing over the north of Scotland.

GENERAL NOTES.

At the commencement of the week two anticyclones were observed over our area—one lying to the westward and north-westward of our Islands, the other over Austria and the south-west of Russia. A well-marked depression was at the same time reported over the Gulf of Bothnia, and under the influence of this system cloudy, changeable weather prevailed over all the more northern parts of Europe, with strong winds from between North and West in many places.

Later on the anticyclone over south-eastern Europe moved southwards and dispersed, while the other high-pressure area spread gradually south-eastwards over nearly the whole of western and central Europe. Light anticyclonic winds were therefore experienced in most of the western, central and southern countries, with fair, dry weather. In the north, however, the conditions were affected by large depressions travelling eastwards across the northern parts of Scandinavia and Russia, and also by secondary disturbances moving in a more southerly track. The weather over northern Europe was therefore in a very disturbed state, with frequent falls of rain, the unsettled conditions spreading in some instances to our own northern districts where showers occurred almost daily. After the middle of the week the anticyclone over the western countries gradually dispersed, and towards its close the distribution of pressure became very irregular, with cloud and rain in many parts of the United Kingdom. On Saturday, however, a new anticyclone began to spread over these Islands from the Atlantic, and fine weather again set in over all our more southern districts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 212.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	1·4	?	1	?	BRIGHTON	63·2	+19·1	69	+23
STRATHPEFFER SPA	12·3	-15·0	13	-14	WORTHING	65·3	?	71	?
EDINBURGH	16·3	-13·5	17	-13	BOGNOR	65·8*	?	72*	?
MORPETH	29·5	?	32	?	WATERGATE (Emsworth)	64·3	?	70	?
NEWCASTLE-ON-TYNE	25·1	?	27	?	WESTBOURNE (Emsworth)	63·5*	+22·1	69*	+25
OSWALDKIRK (Yorkshire)	31·7	+ 4·1	34	+ 5	VENTNOR HOSPITAL	63·8	?	69	?
YORK					SOUTHPORT	55·6	?	60	?
LOWESTOFT	43·0	?	47	?	RHYL	60·0*	?	65*	?
HOLLESLEY BAY	45·2	?	49	?	COLWYN BAY	60·2	?	65	?
SHEFFIELD	34·6	?	38	?	ABERDOVEY	58·4*	?	63*	?
WORKSOP	33·4	+ 4·0	36	+ 4	TENBY	56·8	+17·1	62	+20
THURCASTON (Leicestershire)	39·8	+ 7·2	43	+ 9	NEWQUAY	73·6	+33·4	81	+38
MARGATE	39·7	+ 1·9	43	+ 3	TORQUAY	68·9	+26·9	76	+31
EASTBOURNE	62·9	+22·6	68	+25	GUERNSEY	66·8*	+16·8	73*	+22

* The values at Rognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending June 30th, 1900	Birmingham	68	47	62·8	49·6	55·7	-0·6	96	0	4	0·61	-0·01	19·4	?	17	?
" " " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	22·0	32·2	19	- 28
" " July 7th, "	Newton Reigny	66	45	63·0	49·1	55·6	-1·6	95	0	5	0·46	?	44·3	?	37	?
" " " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	56·3	+ 3·3	49	+ 4
" " " 14th, "	York	—	—	—	—	—	—	—	—	—	—	—	53·5	+ 16·4	47	+ 15

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 37.] *Third Series*

WEEK ENDING SATURDAY, SEPTEMBER 15TH, 1900.

[*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 218.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	84	37	64·3	46·5	55·0	3 above	91	+18	0	- 1	1723*	+158	639	+ 15
	1. SCOTLAND, EAST -	78	35	67·0	43·7	54·8	2 above	90	+ 4	0	- 1	1870	- 41	697	+ 47
	2. ENGLAND, N.E. -	70	35	63·9	47·4	55·3	0 (average)	93	- 3	0	0	2136	+105	518	- 31
	3. ENGLAND, EAST -	75	39	66·7	48·8	57·3	1 above	107	+ 1	0	0	2519	+162	530	- 87
	4. MIDLAND COUNTIES	75	37	66·7	44·5	55·1	0 (average)	92	-12	0	0	2411	+ 55	567	- 52
	5. ENGLAND, SOUTH -	74	35	68·6	49·8	58·7	1 above	117	- 1	0	0	2651	+ 98	389	- 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	73	33	65·0	48·9	55·5	2 above	95	+ 8	0	0	2073	+ 82	506	+ 44
	7. ENGLAND, N.W. -	77	35	65·1	48·0	56·1	1 above	99	- 2	0	0	2234	+ 66	452	- 7
	8. ENGLAND, S.W. -	75	34	67·2	49·2	57·8	1 above	111	+ 5	0	0	2482	+ 96	336	- 25
	9. IRELAND, NORTH -	78	36	66·5	47·0	56·3	2 above	100	+ 9	0	0	2150	+ 38	416	+ 21
	10. IRELAND, SOUTH -	73	36	66·6	48·8	57·3	1 above	107	+ 4	0	0	2448	+ 65	373	+ 74
	—CHANNEL ISLANDS-	77	52	67·7	57·0	62·1	3 above	141	+20	0	0	2997	+324	97	- 51

Rainfall.

	DISTRICTS. (See p. 218.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	2	2	8 less	172	+ 5	30·9	- 1·1
	1. SCOTLAND, EAST -	1	2	5 less	145	+ 8	22·8	+ 1·4
	2. ENGLAND, N.E. - -	0	less than ½	5 less	123	- 4	20·5	+ 3·1
	3. ENGLAND, EAST -	0	less than ½	6 less	124	+ 1	17·9	+ 0·3
	4. MIDLAND COUNTIES	0	less than ½	6 less	116	- 5	20·0	+ 0·9
	5. ENGLAND, SOUTH -	0		6 less	112	- 4	18·0	- 0·5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	1	1	10 less	154	+11	35·3	+ 1·4
	7. ENGLAND, N.W. -	1	1	8 less	129	- 3	24·0	+ 1·5
	8. ENGLAND, S.W. - -	2	1	8 less	135	+ 3	27·7	+ 1·5
	9. IRELAND, NORTH	1	1	7 less	160	+ 4	24·3	+ 0·5
	10. IRELAND, SOUTH -	0	less than ½	7 less	140	- 1	28·1	+ 1·7
	— CHANNEL ISLANDS-	1	less than ½	7 less	141	+ 3	21·0	+ 0·5

Bright Sunshine.

	DISTRICTS. (See p. 218.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	48	+25	53	+28	927	+ 46	27	+ 2
	1. SCOTLAND, EAST -	58	+30	64	+34	966	- 90	28	- 2
	2. ENGLAND, N.E. - -	53	+23	59	+25	1007	- 29	30	0
	3. ENGLAND, EAST -	40	+10	46	+11	1364	+ 60	38	+ 1
	4. MIDLAND COUNTIES	44	+14	49	+16	1155	+ 77	35	+ 2
	5. ENGLAND, SOUTH -	55	+17	62	+20	1428	+107	42	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	58	+28	65	+32	1108	- 9	32	0
	7. ENGLAND, N.W. -	62	+32	69	+37	1273	+125	36	+ 3
	8. ENGLAND, S.W. - -	49	+11	55	+13	1435	+ 81	42	+ 2
	9. IRELAND, NORTH	62	+36	70	+41	1105	+ 81	32	+ 2
	10. IRELAND, SOUTH -	64	+33	72	+37	1210	+ 51	35	+ 1
	— CHANNEL ISLANDS-	66	+22	75	+29	1607	+113	50	+ 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this week has been very fine and dry generally, the only rain being confined to the western and northern districts, where slight falls occurred at the commencement of the period.

Temperature was rather above the mean in most parts of the Kingdom, but only just equal to it over central and north-eastern England. The highest of the maxima were registered as a rule during the latter half of the week, when they ranged from 84° in Scotland N. (at Lairg), 78° in Scotland E. and Ireland N., and 77° in England N.W., and the Channel Islands to 73° in Scotland W., and to 70° in England N.E. The lowest of the minima, which were recorded on the middle or the later days of the period, varied from 33° in Scotland W. and 34° in England S.W. to 39° in England E. and to 52° in the Channel Islands. The diurnal range of temperature was large at many inland stations; at Lairg on Friday and Saturday it was as much as 45°.

Rainfall was much less than the mean in all districts. The greater part of England and the South of Ireland were quite rainless.

Bright Sunshine was again very prevalent and much above the normal in all districts. The percentage of the possible duration ranged from 75° in the Channel Islands, 72° in Ireland S., and 70° in Ireland N., to 53° in Scotland N., 49° in the Midland Counties, and 46° in England E.

Barometer and Wind.—During the first day or two of this period depressions passed eastwards to the north of Scotland, while shallow secondary systems travelled in a similar direction over the United Kingdom, and the winds consequently varied between South-West and North-West and were light or moderate in force. By Tuesday, however, an anticyclone had advanced over Ireland from the south-westward, and during the remainder of the period it moved slowly eastwards directly across England to the North Sea and Germany. With this change of distribution the winds became Southerly in the west, Westerly in the north, and Easterly and North-Easterly in the southern districts. By the end of the week, when the barometer was giving way steadily, the Southerly winds in the west had extended to the Scotch stations.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 217 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND, N.	Sumburgh Head	60	47	57·1	49·3	53·0	+ 2·3	77	0	4	0·41	− 0·39	*	*	*	*
	Stornoway	68	43	62·4	47·3	54·5	+ 3·1	88	0	2	0·18	− 0·75	45·9	+20·9	51	+24
	Wick	71	38	63·0	44·6	53·4	+ 1·4	80	0	1	0·10	− 0·50	*	*	*	*
	Lairg Ⓢ	84	37	73·3	44·6	58·3	+ 6·4	114	0	3	0·17	− 0·51	*	*	*	*
	Glencarron Ⓢ	73	43	63·6	47·8	55·3	+ 3·6	93	0	2	0·36	− 1·29	*	*	*	*
	Fort Augustus Ⓢ	74	38	67·1	45·4	55·7	+ 2·0	96	0	1	0·15	− 0·73	51·3	+29·1	57	+33
	Fort William Ⓢ	69	39	63·5	46·3	54·5	+ 0·3	88	0	1	0·30	− 1·28	43·1	+20·9	48	+24
1. SCOTLAND, E.	Nairn	75	36	66·1	42·6	53·8	+ 0·5	83	0	1	0·19	− 0·36	*	*	*	*
	Aberdeen	65	39	61·3	45·1	52·8	− 0·5	76	0	1	0·20	− 0·45	50·9	+20·1	57	+24
	Braemar Ⓢ	72	35	66·0	40·9	52·9	+ 3·0	81	3	1	0·21	− 0·63	65·5†	+39·9†	73†	+45†
	Ochtertyre Ⓢ	78	37	71·7	42·7	56·5	+ 3·0	102	0	1	0·17	− 0·58	*	*	*	*
	Leith	72	39	68·9	46·0	56·9	+ 2·0	104	0	1	0·08	− 0·42	*	*	*	*
	Marchmont Ⓢ	73	42	68·0	44·6	55·7	+ 3·0	96	0	1	0·05	− 0·67	63·3	+34·6	70	+39
2. ENGLAND, N.E.	Alnwick Castle	68	35	64·1	43·6	53·4	+ 0·1	80	0	1	0·08	− 0·54	*	*	*	*
	Durham	70	40	66·3	45·6	55·5	+ 1·1	95	0	1	0·01	− 0·52	50·8	+22·2	56	+24
	Shields	70	46	64·0	48·3	55·8	+ 1·2	97	0	0	—	− 0·55	*	*	*	*
	Scarborough Ⓜ	66	43	62·9	46·4	54·3	− 1·0	86	0	0	—	− 0·58	*	*	*	*
	Spurn Head	65	52	62·4	53·1	57·5	+ 0·7	109	0	0	—	− 0·41	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	72	48	67·4	51·8	59·0	+ 2·7	119	0	0	—	− 0·58	40·6	+ 7·6	46	+ 9
	Yarmouth	66	47	62·3	50·6	56·2	− 0·9	99	0	1	0·01	− 0·59	*	*	*	*
	Geldeston	70	40	64·9	47·7	55·9	− 1·0	97	0	1	0·02	− 0·51	32·6	− 5·1	37	− 5
	Cambridge	75	39	71·6	44·6	57·5	+ 0·3	109	0	0	—	− 0·49	51·6	+16·1	58	+19
	Felixstowe	73	48	67·0	53·0	59·7	+ 2·3	124	0	0	—	?	35·3†	?	40†	?
	Rothamsted	68	40	67·0	45·1	55·5	− 0·3	95	0	0	0·02‡	− 0·56	53·1	+18·1	60	+21
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	69	39	65·6	42·3	53·4	− 2·2	80	0	0	0·01‡	− 0·49	*	*	*	*
	Loughborough	75	37	69·9	41·7	55·1	− 1·5	93	1	0	—	− 0·56	*	*	*	*
	Cheadle Ⓜ	68	45	63·6	46·8	54·8	+ 0·8	90	0	0	—	− 0·74	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	69	44	65·7	47·8	56·2	+ 0·8	100	0	0	—	− 0·60	33·4	?	37	?
	Churchstoke Ⓜ	70	37	65·7	42·9	53·8	− 0·5	83	0	2	0·02	− 0·58	40·4	+ 7·4	45	+ 9
	Hereford (Belmont) Ⓜ	70	39	67·4	43·3	54·8	− 1·3	90	0	0	0·01‡	− 0·57	*	*	*	*
	Cirencester	69	40	66·7	44·7	55·2	+ 0·3	92	0	0	—	− 0·65	49·9	+16·4	56	+19
	Oxford	71	41	69·0	46·1	57·0	+ 0·1	105	0	0	—	− 0·55	50·2	+14·9	56	+17
5. ENGLAND, S.	London	73	42	70·6	49·4	59·5	+ 1·0	123	0	0	—	− 0·51	46·7†	+15·1†	52†	+17†
	Swarraton (Alresford) Ⓜ	74	35	68·8	42·9	55·2	− 2·1	92	0	0	—	?	*	*	*	*
	Dungeness	69	47	66·4	52·3	59·0	+ 0·2	119	0	0	—	− 0·55	41·7	?	47	?
	Hastings (St. Leonards)	71	50	68·1	52·7	60·0	+ 1·6	126	0	0	—	− 0·59	58·7	+18·7	66	+22
	Southampton	74	45	72·1	48·5	59·7	+ 1·2	124	0	0	—	− 0·63	58·0	+18·0	65	+22
	Portland Bill	67	48	65·7	53·0	59·1	+ 0·8	120	0	0	—	?	*	*	*	*
	Shaftesbury Ⓜ	70	48	68·7	49·6	58·7	+ 2·6	117	0	0	—	− 0·74	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	73	42	66·0	50·1	57·7	+ 3·9	110	0	2	0·22	− 1·28	*	*	*	*
	Glasgow	68	42	64·6	47·0	55·4	+ 2·2	94	0	1	0·11	− 0·77	50·5	+24·7	56	+28
	Glenlee Ⓢ	71	33	66·5	43·1	54·2	− 0·1	85	0	1	0·02	− 1·08	*	*	*	*
	Douglas (Isle of Man)	66	39	62·7	47·4	54·7	+ 0·4	89	0	1	0·03	− 0·82	65·1	+30·6	73	+35
7. ENGLAND, N.W.	Newton Reigny	77	35	69·9	39·5	53·9	+ 1·2	94	7	0	—	?	69·3	?	77	?
	Stonyhurst	67	42	63·3	46·9	54·7	+ 0·1	89	0	1	0·07	− 1·07	61·7	+31·5	69	+35
	Blackpool Ⓜ	66	41	64·2	47·0	55·2	− 0·6	92	0	1	0·06	− 0·76	58·3	+28·5	65	+32
	Manchester (Prestwich)	69	41	66·9	43·7	54·7	− 0·2	89	0	3	0·07	− 0·82	47·7	?	54	?
	Liverpool Obsy. (Bidston)	71	49	63·0	51·1	56·8	+ 0·2	104	0	2	0·05	− 0·65	52·1	?	59	?
	Llandudno Ⓜ	71	53	66·0	54·9	60·2	+ 2·9	127	0	1	0·03	− 0·65	67·1	+37·1	75	+42
	Holyhead	67	49	62·4	52·6	57·3	+ 0·3	107	0	1	0·06	− 0·66	*	*	*	*
8. ENGLAND, S.W.	Llandovery	75	34	70·7	40·9	55·1	− 0·5	96	3	0	—	− 1·02	*	*	*	*
	Pembroke	65	52	62·9	54·4	58·5	+ 1·7	116	0	2	0·03	− 0·70	52·7	+15·7	59	+19
	Clifton	71	48	69·1	51·0	59·6	+ 3·1	123	0	1	0·02	− 0·73	*	*	*	*
	Arlington (N. Devon)	70	42	66·3	47·0	56·2	+ 0·6	99	0	2	0·08	− 1·00	*	*	*	*
	Cullompton Ⓜ	73	39	69·9	43·1	55·9	− 1·2	97	0	1	0·03	− 0·67	40·5	+ 4·6	46	+ 7
	Falmouth	69	51	64·6	55·4	59·8	+ 2·3	125	0	2	0·10	− 0·85	54·4	+15·6	62	+19
	Plymouth	69	47	66·9	52·6	59·4	+ 1·3	122	0	3	0·08	− 0·67	53·4	+15·5	61	+19
9. IRELAND, N.	Malin Head	69	51	63·9	53·7	58·6	+ 3·6	116	0	1	0·01	?	*	*	*	*
	Londonderry	78	44	71·4	48·2	59·2	+ 4·6	120	0	1	0.12	− 0·72	*	*	*	*
	Edenfel (Omagh)	72	37	67·3	44·0	55·1	+ 2·3	92	0	0	—	− 0·79	*	*	*	*
	Blacksod Point	69	43	65·6	48·9	56·9	+ 1·1	104	0	1	0·03	?	*	*	*	*
	Markree Castle	71	36	67·4	42·9	54·6	+ 1·0	88	0	1	0·09	− 0·80	61·9	+36·4	70	+42
	Armagh	71	39	67·8	44·1	55·4	+ 1·6	94	0	2	0·04	− 0·61	61·4	+34·6	69	+39
	Donaghadee	65	43	62·1	47·3	54·3	− 0·5	86	0	1	0·03	− 0·62	*	*	*	*
10. IRELAND, S.	Dublin	69	41	65·6	49·4	57·1	+ 1·3	106	0	0	—	− 0·50	65·5	+32·3	74	+37
	Parsonstown	73	38	67·7	44·6	55·6	+ 1·0	95	0	1	0·01	− 0·67	55·3	+26·3	62	+30
	Kilkenny	70	36	66·0	44·7	54·8	− 1·3	90	0	0	—	− 0·70	*	*	*	*
	Roche's Point	66	48	64·6	53·6	58·8	+ 2·3	118	0	0	—	− 0·88	*	*	*	*
	Valencia	72	44	67·7	51·7	59·3	+ 2·5	121	0	1	0·05	− 1·01	72·6	+40·8	82	+46
	Killarney	70	39	67·6	48·7	57·7	+ 1·5	110	0	0	—	?	*	*	*	*
	Foynes	70	44	66·9	49·2	57·6	+ 1·9	109	0	1	0·16	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	67	56	65·6	57·3	61·3	+ 2·9	135	0	2	0·03	− 0·67	60·3	?	69	?
	Jersey	77	52	69·7	56·7	62·9	+ 2·3	146	0	0	—	− 0·64	69·6	+22·1	79	+28

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

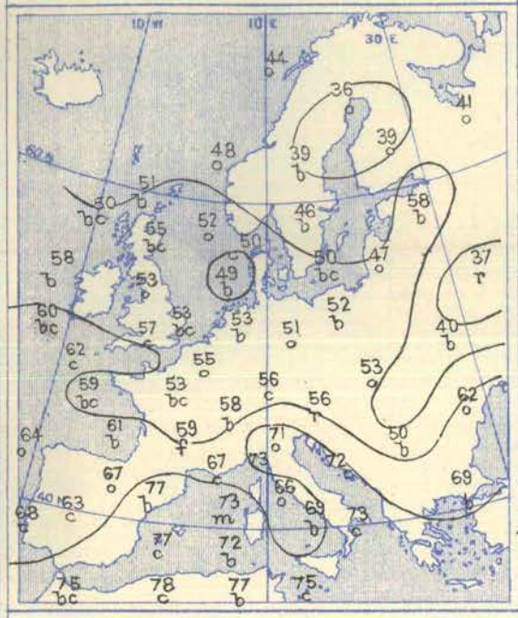
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

‡ Wet Fog or Dew.

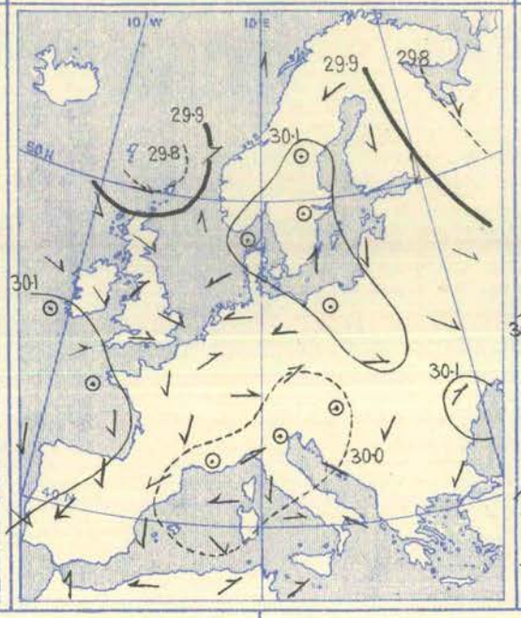
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 9th September.

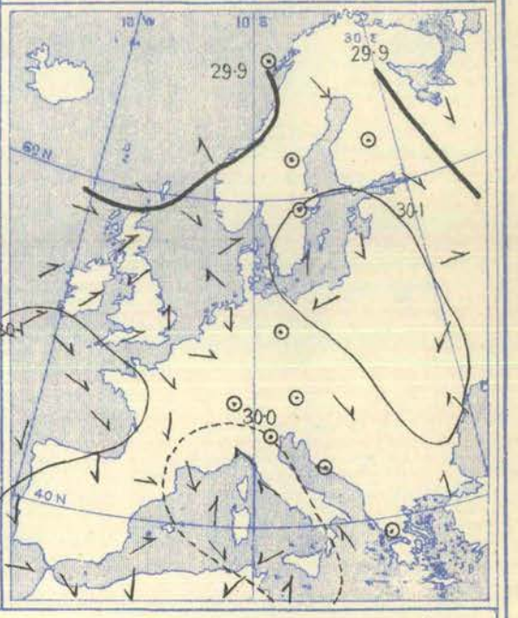
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and fine over western Europe generally, and also in Sweden, Spain, and southern Italy. Dull over Norway, Russia, Austria, eastern Germany, and northern Italy, with rain at Moscow, Breslau, and Buda-Pesth. A little rain falling later in the west and north of our Islands, and larger quantities in many parts of Spain, Italy, and Austria—as much as 1·4 ins. at Barcelona. Thunder and lightning occurring in the south of France, and also at Aumale.

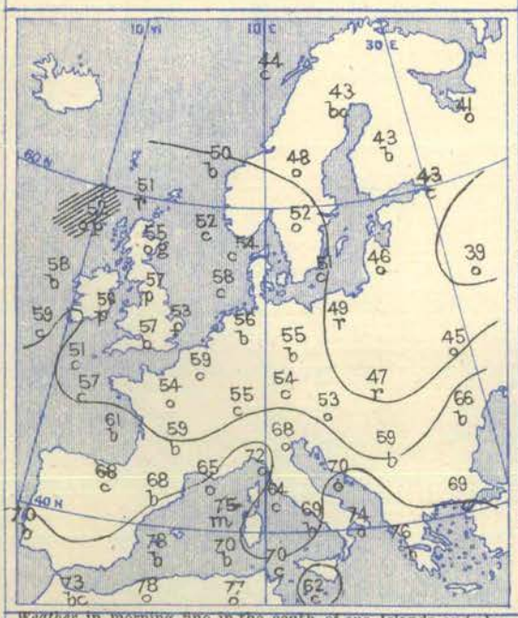
Temperature changed very irregularly. Morning readings highest, 78° at Algiers, and 77° at Barcelona, Palma, and La Calle; above 70° at the Mediterranean and Adriatic stations generally, and above 60° in the Scilly and Channel Islands. Lowest, 38° at Uleaborg, 37° at Moscow, and 38° at Haparanda. Rising during day to 65° and upwards in many parts of the United Kingdom, and to 70° in London and at Leith. Exceeding 75° over the greater part of France and southern Europe, the highest reading reported being 88° at Sanguinaire, Cagliari, and Palermo.

Wind light from the Westward or North-Westward over the greater part of our Islands, and from the Northward in France and Spain; variable over Italy and Austria. Southerly in Norway, calm in central Sweden; Northerly or North-Westerly in Russia; light from the Eastward over Denmark and the greater part of Germany. Subsequently backing to the South-Westward in Ireland and Scotland; falling calm in Germany.

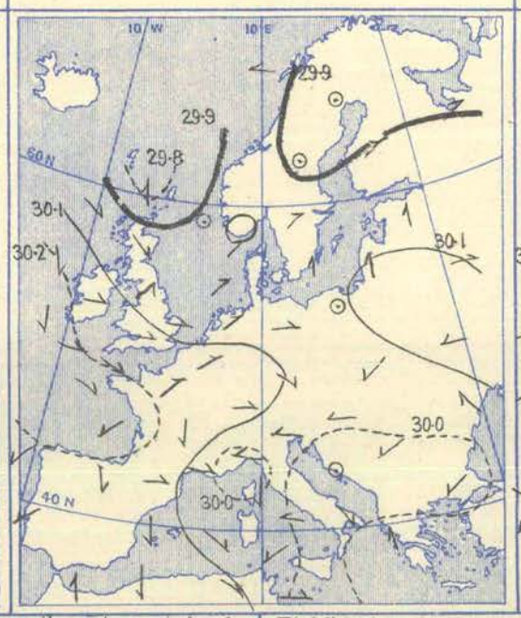
Barometer highest, 30·1 ins. and upwards in an anticyclone extending from the Atlantic over the extreme south-west of our Islands, the west of France, and the north-west of Spain, and also in another system over Sweden, the Baltic, eastern Germany, and Poland. Lowest, 29·8 ins. and less in two depressions—one lying near the Shetlands, and the other over the extreme north of Russia. Both disturbances moving away later to the north-eastward; anticyclone to the south-westward of our Islands spreading slowly eastwards and northwards.

Monday, 10th September.

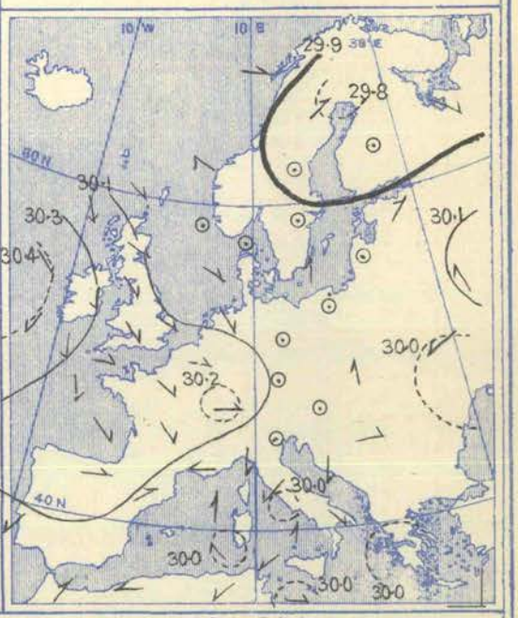
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the south of our Islands and also over the western, central, and southern parts of the Continent generally. Showery at many of our own northern stations, and cloudy and dull in several parts of northern Europe, with rain at Faerder, Neufahrwasser, and Lemberg. Improvement taking place later in the north of our Islands; rain falling in many parts of Russia and Germany, as well as at some of the Austrian and Italian stations.

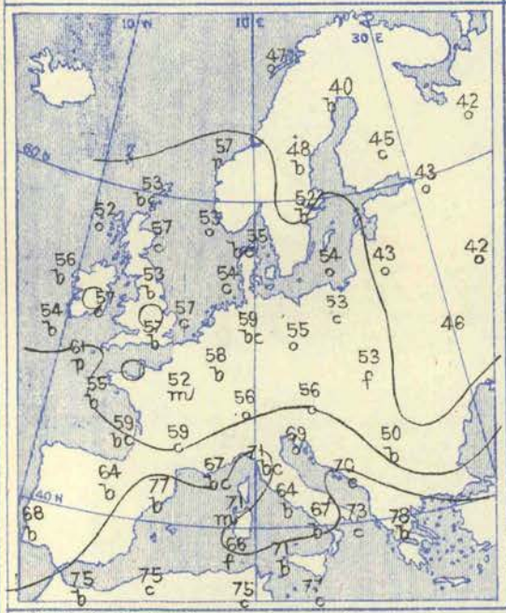
Temperature risen in the west and north of our Islands and also in Scandinavia, Denmark, and the Netherlands, changed irregularly elsewhere. Morning readings highest, 78° at Palma and Algiers, 77° at La Calle and Sfax, and 76° at Athens, above 70° at most of the Mediterranean stations, and above 60° on some parts of our own south-west coasts. Lowest, 38° at Kharkov, 39° at Moscow and Helsingfors, and 41° at Archangel. Rising during day to 65° and upwards in many parts of the United Kingdom, and to 70° in London and at Leith; exceeding 70° in the west of France, and exceeding 80° in several parts of southern Europe, the highest readings reported being, 90° at Cagliari and Malta, and 88° at Palermo and Sanguinaire.

Wind light from the Westward over the major part of Great Britain, the Netherlands and Germany, moderate from the South-Westward in Denmark and the south of Sweden, calm in the Gulf of Bothnia; Easterly or South-Easterly in the west of Norway. Northerly or North-Westerly in Ireland, and the west and north of Scotland, and also over the greater part of France and the Spanish Peninsula; variable in Italy. Subsequently veering to the North-Westward or Northward in all but the south-eastern parts of the Kingdom, and increasing to a gale at Wick.

Barometer highest, 30·2 ins. and upwards in an anticyclone extending from the Atlantic over the west and south of Ireland, the Bay of Biscay, and the north-western parts of France and Spain; 30·1 ins. and upwards in another area over the central and southern parts of Russia. Lowest, 29·8 ins. and less in a shallow depression over the Shetlands, 29·9 ins. and less in another disturbance over Lapland, and also in a small secondary system over the Skager Rack. Anticyclone spreading later from the Atlantic over nearly the whole of western Europe; depression over Shetlands moving north-eastwards and dispersing.

Tuesday, 11th September.

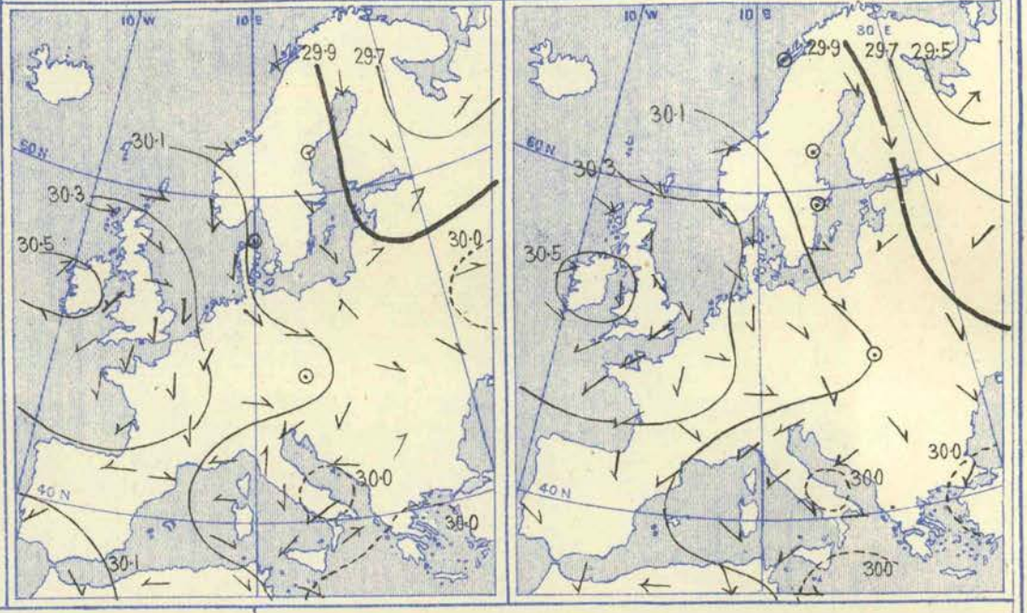
Temperature and Weather. 8 a.m.



Weather in morning fine over western and southern Europe generally, but dull in the north of Scotland, with rain at Nairn. Fine at most of the Swedish stations, but cloudy over the northern, eastern, and central countries as a whole, with rain at Christiansund, and also Breslau, and Prague. Rain falling later in many parts of northern and central Europe; rather heavily in places; thunderstorm occurring at Sfax.

Temperature risen in most countries but fallen in Italy. Morning readings highest, 78° at Athens, 77° at Barcelona and Malta, and 75° at Patras, Nemours, Algiers, and Sfax; above 70° at most of the Mediterranean stations and slightly above 60° in the Scilly and Channel Islands. Lowest, 40° at Haparanda and Uleaborg, and 42° at Archangel and Moscow; below 50° over the northern parts of Russia and Scandinavia generally, and also at some of the central stations in England and Ireland. Rising during day to 65° and upwards in many parts of the United Kingdom and to 69° at Leith and Jersey, exceeding 70° in France and exceeding 80° in many parts of southern Europe, the highest reading reported being 90° at Cagliari.

Barometer and Wind. 8 a.m. and 6 p.m.

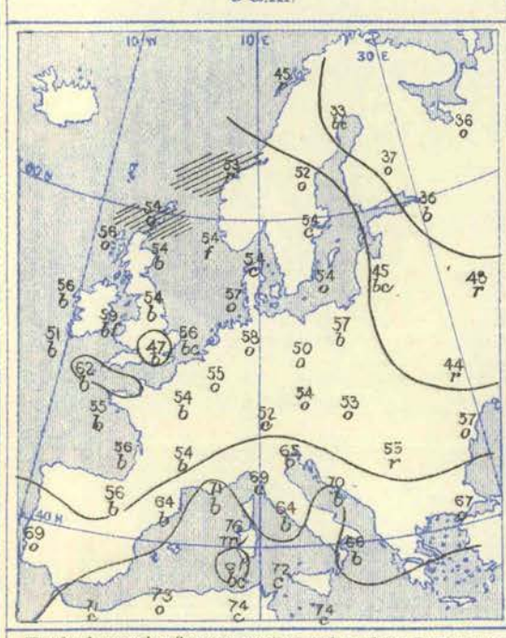


Wind light to moderate from the Westward in the north of our Islands but from the Northward or North-Eastward in the south and over France and the Spanish Peninsula, Northerly or North-Westerly in Scandinavia and Denmark; Westerly in Germany and also at many of the Russian stations; variable in Austria and Italy. Subsequently veering to the North-Westward in the north of Scotland; no decided change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards in Ireland; 30·1 ins. and upwards in an anticyclone covering the whole of western and central Europe. Lowest, 29·7 ins. and less in a large shallow depression over the extreme north of Russia. No material change occurring later over western Europe, but depression in extreme north moving eastwards and growing somewhat deeper.

Wednesday, 12th September.

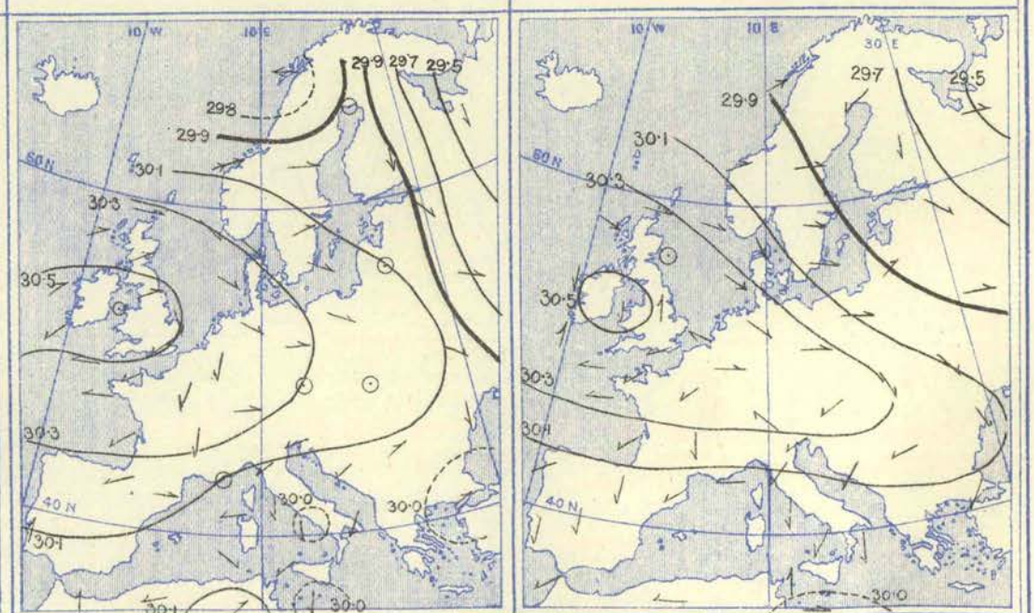
Temperature and Weather. 8 a.m.



Weather in morning fine over western and southern Europe generally, but foggy at many of the English stations. Dull in most of the northern, eastern, and central countries, with rain in the west of Norway, as well as at Vienna, Moscow, and Hermanstadt. Rain falling later in many parts of Russia, Germany, and northern Italy, and very large amounts reported in the west of Norway—as much as 2·4 ins. at Christiansund. Lightning seen at Sanguinaire.

Temperature changed rather irregularly, but fallen in most parts of Russia and Germany. Morning readings highest, 77° at Barcelona, 76° at Sanguinaire, and 74° at Malta and La Calle; above 70° at most of the Mediterranean stations. Lowest, 33° at Haparanda, 36° at Archangel, Helsingfors, and St. Petersburg, and 37° at Knopio; below 40° over northern Russia generally, and below 50° over the central parts of England and Ireland. Rising during day to 70°, or slightly above it, in several parts of the United Kingdom, and to 75° at Loughborough; exceeding 80° at many places in southern Europe, and reaching 84° at Palermo, and 86° at Sanguinaire.

Barometer and Wind. 8 a.m. and 6 p.m.



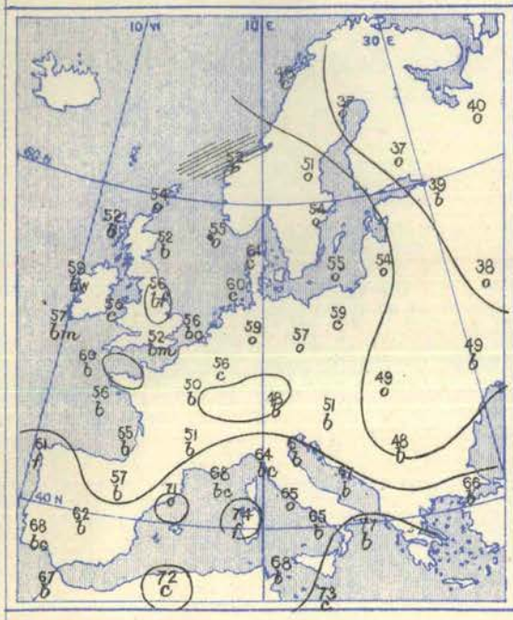
Wind light to moderate from the Westward or South-Westward over the northern parts of the United Kingdom, and blowing a gale from West-South-West at Christiansund, but strong from the Eastward at Bodö. Westerly or North-Westerly over Sweden, Russia, Denmark, and Germany; variable in Austria. Light to moderate from the Northward or North-Eastward over the south of our Islands, and also over France and Italy; variable over the Spanish Peninsula. No important change occurring during day.

Barometer highest, 30·5 ins. and upwards over England and Ireland; 30·1 ins. and upwards in an anticyclone covering the whole of western and central Europe. Lowest, 29·5 ins. and less in a depression over northern Russia; 29·8 ins. and less in another disturbance lying off the northern parts of the Norwegian coasts. Both depressions moving away later, apparently in a north-easterly direction. Anticyclone spreading to south-eastern Europe.

Thursday, 13th September.

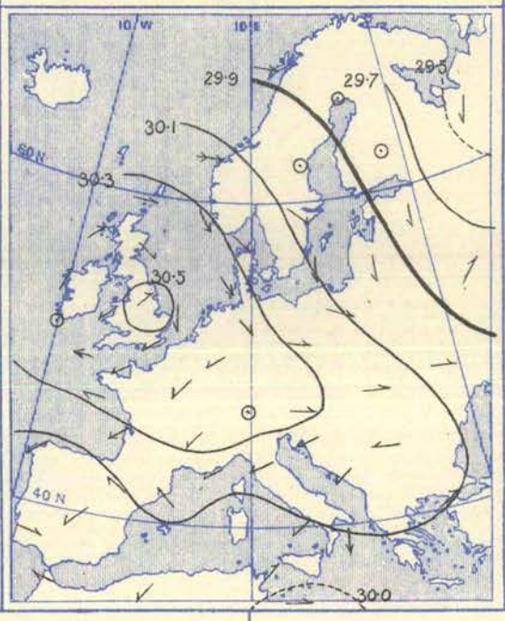
Temperature and Weather.

8 a.m.

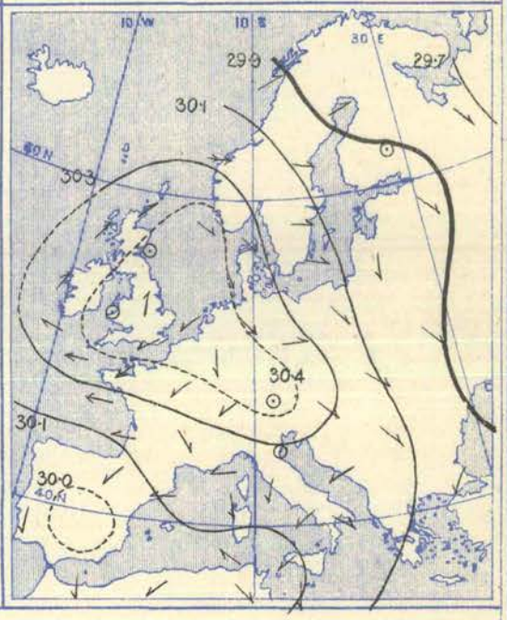


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and dry over western Europe generally, but dull over Scandinavia, with rain at Christiansund, and fog at many of the English stations. Rain falling later in Austria, the south of France and Algeria, and also on the north-west coast of Norway.

Temperature still changing irregularly but fallen somewhat on our northern and north-eastern coasts. Morning readings highest, 77° at Brindisi, 74° at Sanguinaire, 73° at Malta, and 72° at Algiers. Lowest, 37° at Haparanda and Kuopio, below 40° over northern Europe generally, and below 50° over the inland parts of Ireland and England. Rising during day to 70° or rather more over central and south-eastern England, exceeding 80° over southern Europe generally, and reaching 90° at Tunis.

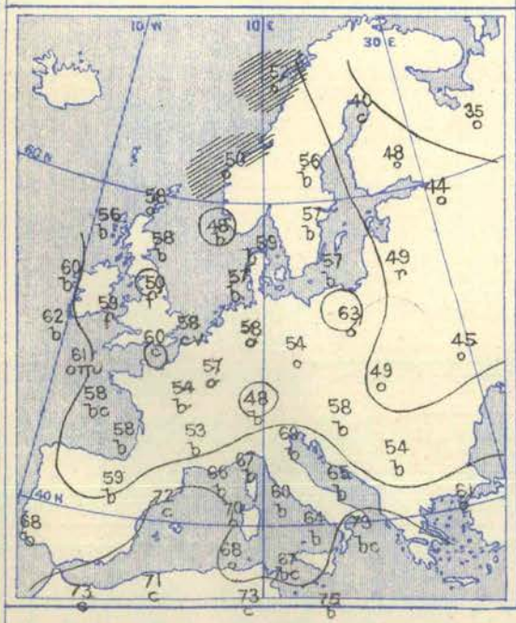
Wind light from South or West over the northern part of the United Kingdom, but Easterly or North-Easterly at our southern and the French stations, as well as over southern Europe generally. Over Scandinavia, Germany, and north-western Russia, Westerly or North-Westerly winds prevail, reaching the force of a strong gale at Christiansund. No important change occurring later.

Barometer highest, 30·5 ins. and upwards over central England, and 30·1 ins. and more in an anticyclone covering the whole of western and central Europe. Lowest, 29·6 ins. and less in a depression over the White Sea, and 30·0 ins. and less in a very shallow system near Sicily. Depression over northern Russia apparently dispersing later, but new shallow disturbance appearing over the Spanish Peninsula.

Friday, 14th September.

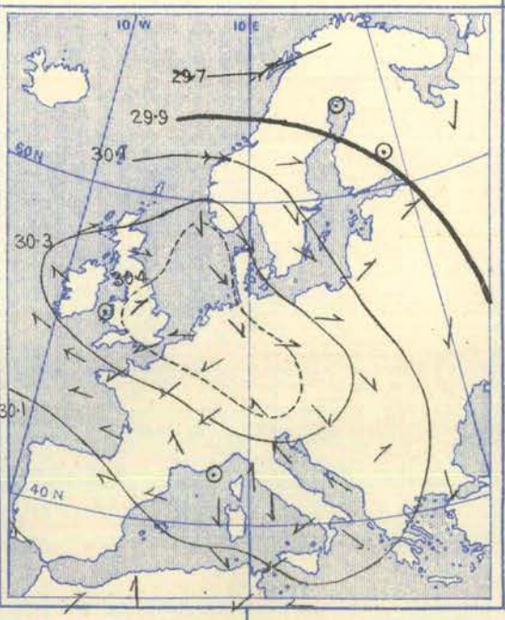
Temperature and Weather.

8 a.m.

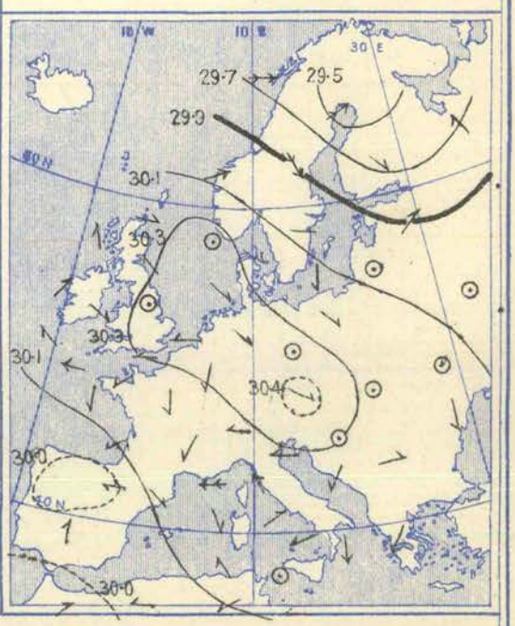


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine over the greater part of Europe, but dull at many of the English stations, with fog and mist in several places. Dull also in Russia and Germany, with rain at Kharkov; thunderstorm reported at Pesaro. Sky clearing later over England, but rain falling in the west of Norway.

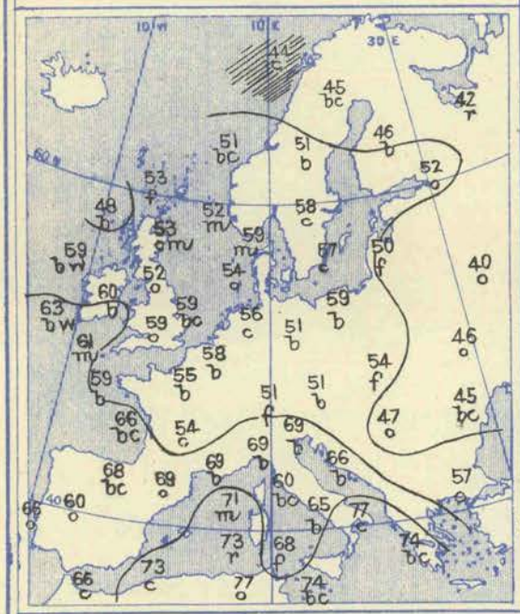
Temperature risen in most countries, but fallen in Denmark, and also in Italy. Morning readings highest, 75° at Malta, and 73° at Brindisi, Nemours, and Sfax; above 65° at most of the Mediterranean and Adriatic stations, and above 60° on our own extreme south-west coast. Lowest, 35° at Archangel, 40° at Haparanda, and 41° at Uleaborg; below 50° over the central parts of Ireland and England. Rising during day to 70° and upwards at several of the Irish and Scotch stations, and to 75° at Nairn; exceeding 80° in many parts of France and southern Europe, and reaching 86° at Brest and La Coubre.

Wind Easterly over France, Spain, and all the more southern parts of the United Kingdom, light and moderate in force generally but strong at the mouths of the English and Bristol Channels; light from the Westward or South-Westward in Scotland, and strong to a gale from the same quarters in the west of Norway; North-Westerly in the south of Scandinavia, and also in Denmark, Germany and Russia; variable in Italy. Gale from between South-West and North-West setting in later over the northern parts of Sweden, no important change occurring elsewhere.

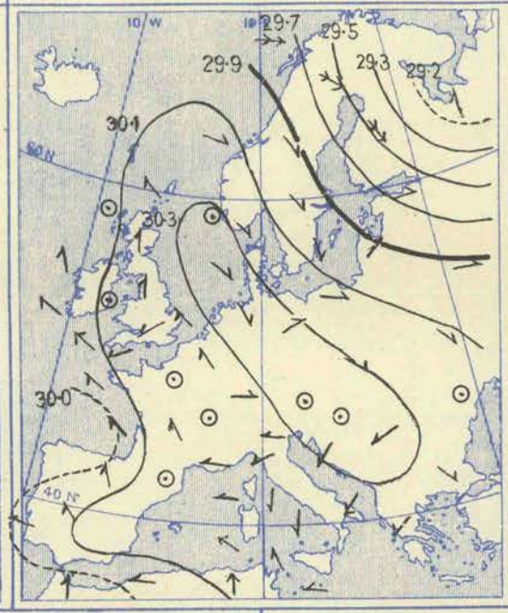
Barometer highest, 30·4 ins. and upwards over the North Sea, the Netherlands, Denmark, and the greater part of England; 30·1 ins. and upwards in an anticyclone covering the whole of western and central and the greater part of southern Europe. Lowest, 29·8 ins. and less in a depression off the northern parts of the Norwegian coasts. Anticyclone giving way gradually during day, and shallow depression appearing over the north of Spain. Norwegian depression moving eastwards and apparently growing deeper.

Saturday, 15th September.

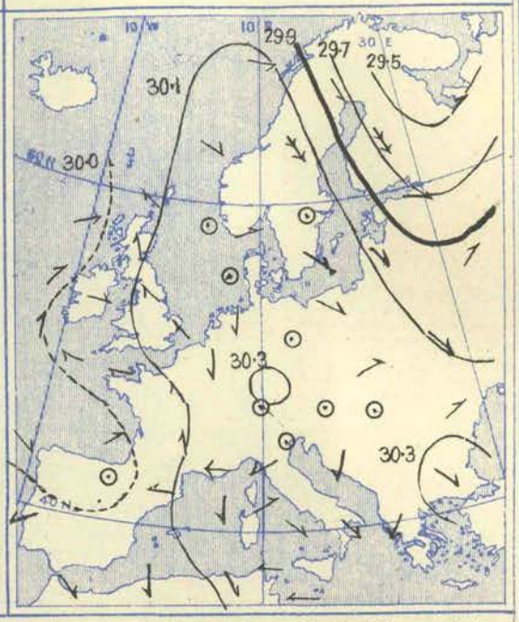
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Europe as a whole but with fog or mist at many of the western and central stations. Dull over England and also in Spain and northern and central Russia, with rain at Archangel. Thunderstorms occurring later at many places in the west and south of France, with heavy rain (1·7 ins.) at Cape Béarn; lightning seen in the Scilly and Channel Islands at night.

Temperature changed very irregularly. Morning readings highest, 77° at Brindisi and La Calle, 75° at Tunis, and 74° at Patras and Malta; above 70° at most of the Mediterranean stations, and above 65° in the west of France and the Channel Islands. Lowest, 37° at Kharkov, 40° at Moscow, 42° at Archangel, and 44° at Nicolaieff; lowest in these Islands, 45° at Leith, and 48° at Stornoway. Rising during day to 70° and upwards at many of the English stations, and to 74° at Loughborough; exceeding 80° in France, Germany, and Italy, and reaching 86° at Bordeaux.

Wind light to moderate from the Eastward or South-Eastward over England, France, Spain, and the Netherlands, Southerly in Scotland. North-Westerly over Scandinavia, Denmark, Russia, and eastern Germany, and strong to a gale in force over Finland and the extreme north of Scandinavia; calm or variable in Austria and the western and southern parts of Germany; Northerly or North-Easterly in Italy. Subsequently veering to the Southward in Ireland, and to the South-Westward in the Hebrides; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards over Austria, Germany, and the eastern parts of the North Sea; 30·1 ins. and upwards in an anticyclone covering nearly the whole of western, central, and southern Europe. Lowest, 29·2 ins. and less in a depression over the White Sea; gradients rather steep over the extreme northern parts of Europe generally. Depression partially filling up later; new, but very shallow, disturbance appearing over the Bay of Biscay in the evening.

GENERAL NOTES.

At the commencement of the week the distribution of pressure was rather irregular. Two anticyclones of small intensity existed—one over the Baltic and the neighbouring parts of Sweden and Russia, the other over the Bay of Biscay, the west of France and our own extreme south-west coasts, and in these regions the weather was therefore fair and dry. In our Islands the conditions were influenced by a shallow depression which skirted the north of Scotland, and by secondary systems which moved further south, these disturbances occasioning showers in all the western and northern districts.

The anticyclone over the Baltic soon moved away, however, to the eastward and dispersed, while the other high-pressure area increased in intensity and spread gradually over the whole of western and central Europe. Fine, dry weather consequently set in over the United Kingdom and a considerable portion of the Continent, but in our Islands a good deal of fog and mist prevailed in the night and early morning hours. In the extreme north of Europe the weather was affected by large depressions moving eastwards across that region, frequent falls of rain being experienced with gales from the Westward and North-Westward on the 14th and 15th.

During the latter part of the week the anticyclone moved slowly eastwards and partially dispersed. No material change in the weather took place, however, until quite the end of the period, when a shallow depression formed over the Bay of Biscay and caused thunderstorms in the west and south of France, and lightning on some parts of our own extreme south-west coasts.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 218.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	47·8	?	53	?	BRIGHTON	56·8	+15·8	64	+19
STRATHPEFFER SPA	50·7	+22·8	56	+27	WORTHING	64·1	?	72	?
EDINBURGH	50·5	+23·5	56	+27	BOGNOR	*	?	*	?
MORPETH	59·5	?	66	?	WATERGATE (Emsworth)	59·7	?	67	?
NEWCASTLE-ON-TYNE	48·5	?	54	?	WESTBOURNE (Emsworth)	65·2*	+26·0	73*	+30
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	55·5	?	62	?
YORK					SOUTHPORT	61·9	?	70	?
LOWESTOFT	33·8	?	38	?	RHYL	64·7*	?	73*	?
HOLLESLEY BAY	35·8	?	40	?	COLWYN BAY	68·9	?	67	?
SHEFFIELD	42·5	?	48	?	ABERDOVEY	66·6*	?	75*	?
WORKSOP	39·5	+11·1	44	+12	TENBY	47·5	+ 9·8	53	+12
THURCASTON (Leicestershire)	48·7	+18·5	55	+22	NEWQUAY	53·0	+15·2	60	+18
MARGATE	40·1	+ 4·6	45	+ 6	TORQUAY	42·5	+ 3·0	48	+ 4
EASTBOURNE	61·4	+22·3	69	+26	GUERNSEY	68·8*	+23·2	78*	+29

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending July 14th, 1900 ..	Rhyl	—	—	—	—	—	—	—	—	—	—	—	51·5	?	45	?
,, ,, ,, ,, ,, ..	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	57·3	?	50	?
,, ,, ,, 21st, ,, ..	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	63·8	—	57	—
,, ,, ,, ,, ,, ..	Newquay	—	—	—	—	—	—	—	—	—	—	—	51·8	+ 4·3	48	+ 5
,, ,, Aug. 4th, ,, ..	Newton Reigny	69	47	65·1	52·6	58·5	+1·0	116	0	6	2·33	?	46·5	?	42	?

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 38.] *Third Series.* WEEK ENDING SATURDAY, SEPTEMBER 22ND, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 224.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	80	38	61·3	47·5	54·0	3 above	84	+18	0	− 1	1807	+176	639	+ 14
	1. SCOTLAND, EAST	75	36	63·1	45·0	53·6	2 above	81	+ 4	0	− 1	1951	− 37	697	+ 46
	2. ENGLAND, N.E.	69	42	65·3	50·9	57·7	4 above	110	+20	0	0	2243*	+122	518	− 31
	3. ENGLAND, EAST	82	38	70·1	51·8	60·5	5 above	130	+31	0	0	2649	+ 93	530	− 87
	4. MIDLAND COUNTIES	74	34	67·6	47·8	57·2	3 above	106	+ 9	0	0	2517	+ 64	567	− 52
	5. ENGLAND, SOUTH	82	32	69·2	51·9	60·1	4 above	127	+19	0	0	2778	+117	389	− 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	69	36	61·9	47·7	54·5	2 above	88	+ 8	0	0	2161	+ 90	506	+ 44
	7. ENGLAND, N.W.	76	38	64·1	50·6	57·0	3 above	105	+13	0	0	2339	+ 79	452	− 7
	8. ENGLAND, S.W.	78	32	65·9	51·2	58·2	3 above	113	+13	0	0	2595	+109	336	− 25
	9. IRELAND, NORTH	72	37	62·8	50·7	56·5	3 above	102	+22	0	0	2252	+ 60	416	+ 21
	10. IRELAND, SOUTH	71	39	64·7	52·3	58·2	4 above	113	+20	0	0	2561	+ 85	373	+ 74
	—CHANNEL ISLANDS	71	43	68·0	54·8	61·1	3 above	134	+20	0	0	3131	+344	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 224.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	5	6 less	177	+ 6	31·4	− 1·6	20	− 4	23	− 4	947	+ 44	27	+ 2
	1. SCOTLAND, EAST	2	1	6 less	147	+ 7	22·9	+ 0·8	31	+ 5	36	+ 6	996*	− 86	28	− 2
	2. ENGLAND, N.E.	3	1	5 less	126	− 5	20·6	+ 2·6	29	− 4	33	− 4	1032*	− 46	29	− 1
	3. ENGLAND, EAST	2	1	5 less	126	0	18·0	+ 0·4	44	+ 5	51	+ 5	1407	+ 65	38	+ 1
	4. MIDLAND COUNTIES	2	2	4 less	119*	− 5	20·2	+ 0·4	26	− 2	30	− 2	1181	+ 75	35	+ 2
	5. ENGLAND, SOUTH	1	less than ½	6 less	113	− 7	18·0	− 1·2	48	+11	56	+13	1477*	+118	42	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	7	4 less	159	+12	36·0	+ 1·0	23	− 5	26	− 7	1131	− 15	32	− 1
	7. ENGLAND, N.W.	4	5	4 less	133	− 2	24·5	+ 1·2	27	− 3	32	− 5	1300	+121	36	+ 3
	8. ENGLAND, S.W.	4	3	6 less	139	+ 4	28·0	+ 0·9	33	− 2	39	− 2	1470*	+ 81	42	+ 2
	9. IRELAND, NORTH	4	3	5 less	164	+ 4	24·6	+ 0·1	21	− 4	25	− 4	1126	+ 77	32	+ 2
	10. IRELAND, SOUTH	4	5	3 less	144	0	28·6	+ 1·5	23	− 8	27	− 8	1233	+ 44	35	+ 1
	— CHANNEL ISLANDS	2	1	7 less	143	+ 1	21·1	− 0·2	53	+16	62	+20	1660	+129	50	+ 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was less fine generally than that of the preceding week—especially over Ireland, the north and west of Scotland and the west of England. Over the greater part of England and the east of Scotland the interruptions to the fine weather were slight and transient, and at one or two stations in our eastern and southern districts there was no measurable quantity of rain.

Temperature was above the mean in all districts, the excess ranging from 2° in Scotland E. and W. to 5° in England E. The highest of the maxima were registered on rather irregular dates, and ranged from 82° in England S. and E. (in London and at Cambridge on the 16th), 80° in Scotland N. and 78° in England S.W. to 71° in Ireland S. and the Channel Islands, and to 69° in Scotland W. The lowest of the minima, which were generally recorded either on the 20th or 21st, varied from 32° in England S. and S.W. and 34° in the Midland Counties to 42° in England N.E. and to 43° in the Channel Islands.

Rainfall was much less than the mean in all districts.

Bright Sunshine was again very prevalent in the Channel Islands and the south and east of England, but in most other parts of the Kingdom it was deficient. The percentage of the possible duration ranged from 62° in the Channel Islands and 56° in England S. to 30° in the Midland Counties, 25° in Ireland N., and 23° in Scotland N.

Barometer and Wind. During the first two or three days shallow low pressure systems spread over the Kingdom from the west, the barometer being highest to the eastward of our Islands. By Wednesday, however, these had moved away to the north-eastward and eastward, and an anticyclone had appeared over our south-western coasts. During the remainder of the week this system travelled slowly east-south-eastwards, while depressions moving eastwards in the far north affected our north-western and northern districts. Light breezes from between South and South-West were generally experienced during the earlier days of the week, but with the advent of the anticyclone the wind shifted to West or North-West over the southern half of the Kingdom. In the far west and north it continued Southerly or South-Westerly and occasionally increased considerably in force, but by the end of the period it had veered to the Westward or North-Westward in those regions also, and was light or moderate generally.

* This value has been altered slightly owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 223 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	59	48	56·1	49·3	52·5	+ 2·7	74	0	6	0·29	− 0·51	*	*	*	*
	Stornoway	65	45	58·7	48·8	53·5	+ 3·2	81	0	6	0·21	− 0·66	20·6	− 3·2	24	− 3
	Wick	71	42	63·3	48·0	55·3	+ 4·3	93	0	4	0·21	− 0·37	*	*	*	*
	Lairg Ⓢ	80	38	66·6	42·8	54·1	+ 4·0	85	0	4	0·18	− 0·58	*	*	*	*
	Glencarron Ⓢ	73	46	61·5	48·6	54·7	+ 4·5	89	0	5	1·10	− 0·63	*	*	*	*
	Fort Augustus Ⓢ	72	43	62·3	46·3	53·9	+ 1·6	83	0	4	0·26	− 0·67	18·4	+ 1·1	21	+ 1
	Fort William Ⓢ	69	46	60·7	48·5	54·3	+ 1·6	86	0	4	1·09	− 0·59	15·7	− 6·5	18	− 7
1. SCOTLAND, E.	Nairn	71	41	64·7	43·4	53·5	+ 1·6	81	0	3	0·07	− 0·53	*	*	*	*
	Aberdeen	63	41	61·6	45·7	53·3	+ 1·2	79	0	4	0·10	− 0·60	26·9	− 1·7	31	− 2
	Braemar Ⓢ	68	36	60·3	41·7	50·6	+ 1·9	61	1	1	0·10	− 0·67	33·2†	+ 8·2†	39†	+11†
	Ochtertyre Ⓢ	67	37	63·1	45·0	53·6	+ 1·4	81	0	1	0·08	− 0·73	*	*	*	*
	Leith	68	43	63·6	47·6	55·2	+ 1·4	92	0	1	0·03	− 0·50	*	*	*	*
	Marchmont Ⓢ	75	41	65·3	46·7	55·6	+ 4·2	95	0	1	0·06	− 0·72	40·5	+14·6	47	+17
2. ENGLAND, N.E.	Alnwick Castle	68	42	64·4	48·7	56·2	+ 3·3	99	0	3	0·12	− 0·48	26·8	+ 0·1	31	0
	Durham	68	45	65·9	49·7	57·4	+ 4·3	108	0	3	0·08	− 0·49	*	*	*	*
	Shields	68	45	65·9	49·7	57·4	+ 4·3	108	0	3	0·07	− 0·55	*	*	*	*
	Scarborough Ⓜ	69	41	65·7	51·2	58·1	+ 3·9	113	0	3	0·07	− 0·49	*	*	*	*
	Spurn Head	67	51	65·0	54·0	59·2	+ 3·4	120	0	1	0·07	− 0·49				
3. ENGLAND, E.	Hillington Ⓜ	74	41	70·0	51·0	60·0	+ 5·2	126	0	2	0·03	− 0·60	27·0	− 3·8	31	− 5
	Yarmouth	72	48	66·9	54·3	60·3	+ 4·4	128	0	2	0·20	− 0·47	*	*	*	*
	Geldeston	78	40	73·1	50·8	61·4	+ 5·8	136	0	3	0·31	− 0·28	49·6	+13·6	58	+16
	Cambridge	82	40	73·3	50·3	61·3	+ 5·7	135	0	2	0·07	− 0·43	39·7	+ 6·5	46	+ 7
	Felixstowe	74	50	68·2	54·7	61·1	+ 4·7	134	0	1	0·02	?	53·8†	?	63†	?
	Rothamsted	77	38	69·3	49·5	58·9	+ 4·3	118	0	2	0·01	− 0·62	36·1	+ 3·8	42	+ 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	70	38	66·4	45·0	55·2	+ 1·1	92	0	3	1·05	+ 0·51	*	*	*	*
	Loughborough	71	34	69·3	45·1	56·6	+ 1·5	102	0	1	0·02	− 0·58	*	*	*	*
	Cheadle Ⓜ	69	43	64·7	49·7	56·8	+ 4·0	104	0	4	0·29	− 0·41	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	70	45	67·7	50·9	58·9	+ 6·1	118	0	2	0·11	− 0·49	16·4	?	19	?
	Churchstoke Ⓜ	73	37	67·5	47·1	56·8	+ 3·9	104	0	2	0·12	− 0·54	33·3	+ 3·0	39	+ 4
	Hereford (Belmont) Ⓜ	70	34	67·5	47·1	56·8	+ 2·3	104	0	2	0·11	− 0·54	*	*	*	*
	Cirencester	74	35	68·0	48·0	57·5	+ 3·9	109	0	1	0·03	− 0·68	32·6	+ 2·7	38	+ 3
	Oxford	74	40	69·9	49·4	59·2	+ 2·8	120	0	0	—	− 0·63	31·1	− 1·4	36	− 2
5. ENGLAND, S.	London	82	42	73·6	52·3	62·4	+ 5·9	143	0	2	0·05	− 0·49	34·3†	+ 6·3†	40†	+ 7†
	Swarraton (Alresford) Ⓜ	76	32	69·9	45·9	57·3	+ 1·7	107	0	3	0·05	?	*	*	*	*
	Dungeness	71	44	69·0	53·2	61·8	+ 4·4	139	0	2	0·05	− 0·60	56·4	?	66	?
	Hastings (St. Leonards)	70	50	67·4	53·9	60·3	+ 3·3	128	0	2	0·03	− 0·65	51·7	+13·8	60	+16
	Southampton	75	42	71·5	50·1	60·3	+ 3·4	128	0	1	0·02	− 0·68	41·1	+ 5·8	48	+ 7
	Portland Bill	68	50	64·9	55·1	59·8	+ 2·7	125	0	0	—	?	*	*	*	*
	Shaftesbury Ⓜ	72	45	68·0	50·9	59·0	+ 4·6	119	0	2	0·02	− 0·78	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	68	46	61·7	51·4	56·3	+ 4·0	100	0	6	1·94	+ 0·26	*	*	*	*
	Glasgow	66	45	60·6	48·3	54·2	+ 2·5	85	0	5	0·29	− 0·57	14·5	− 8·5	17	−10
	Glenlee Ⓢ	69	36	62·8	43·1	52·5	+ 0·3	74	0	4	0·31	− 0·86	*	*	*	*
	Douglas (Isle of Man)	68	42	62·4	48·0	54·9	+ 1·6	90	0	5	0·41	− 0·39	30·4	− 3·1	35	− 4
7. ENGLAND, N.W.	Newton Reigny	75	40	66·0	47·8	56·5	+ 5·1	102	0	3	0·54	?	33·0	?	38	?
	Stonyhurst	70	43	62·5	48·4	55·1	+ 1·6	92	0	4	1·22	+ 0·09	16·9	−12·3	20	−14
	Blackpool Ⓜ	75	42	64·1	49·1	56·2	+ 1·6	99	0	4	0·18	− 0·71				
	Manchester (Prestwich)	76	38	65·2	48·0	56·2	+ 2·6	99	0	4	0·46	− 0·49	17·8	?	21	?
	Liverpool Obsy. (Bidston)	71	45	64·1	51·7	57·6	+ 2·5	109	0	4	0·22	− 0·56	25 8	?	30	?
	Llandudno Ⓜ	73	49	65·1	54·9	59·8	+ 3·7	125	0	5	0·36	− 0·39	32·1	+ 4·3	37	+ 5
	Holyhead	65	51	61·4	54·3	57·7	+ 1·9	110	0	5	0·32	− 0·42	*	*	*	*
8. ENGLAND, S.W.	Llandovery	78	32	67·1	46·9	56·5	+ 2·7	102	0	4	0·60	− 0·48	*	*	*	*
	Pembroke	66	54	62·9	56·4	59·5	+ 3·6	123	0	6	0·52	− 0·28	25·6	− 8·2	30	− 9
	Clifton	73	44	67·6	52·8	59·8	+ 4·9	125	0	3	0·06	− 0·74	*	*	*	*
	Arlington (N. Devon)	71	39	64·9	50·0	57·1	+ 2·7	106	0	5	0·48	− 0·62	*	*	*	*
	Cullompton Ⓜ	72	34	70·6	47·3	58·4	+ 2·5	115	0	1	0·06	− 0·74	35·9	+ 3·1	42	+ 5
	Falmouth	70	49	64·3	53·9	58·9	+ 2·3	118	0	6	0·21	− 0·81	44·3	+ 8·8	52	+11
	Plymouth	67	42	64·2	51·3	57·4	+ 0·6	108	0	3	0·17	− 0·69	30·8	− 4·3	36	− 5
9. IRELAND, N.	Malin Head	68	51	61·9	54·4	58·0	+ 4·3	112	0	3	0·05	?	*	*	*	*
	Londonderry	72	46	64·2	49·6	56·6	+ 3·2	102	0	4	0.21	− 0·66	*	*	*	*
	Edenfel (Omagh)	66	40	62·3	49·3	55·5	+ 4·2	95	0	4	0·22	− 0·59	*	*	*	*
	Blacksod Point	68	49	62·4	53·4	57·7	+ 3·5	110	0	5	0·47	?	*	*	*	*
	Markree Castle	67	37	63·6	47·3	55·1	+ 2·8	92	0	4	0·31	− 0·59	21·1	− 2·8	25	− 3
	Armagh	65	45	63·1	50·4	56·5	+ 3·9	102	0	4	0·32	− 0·32	20·7	− 6·0	24	− 7
	Donaghadee	63	45	62·1	50·3	55·9	+ 2·1	97	0	5	0·50	− 0·14	*	*	*	*
10. IRELAND, S.	Dublin	68	49	65·7	52·7	58·9	+ 4·3	118	0	4	0·51	0·00	30·6	− 1·6	36	− 1
	Parsonstown	67	44	64·3	51·3	57·5	+ 4·4	109	0	4	0·25	− 0·48	24·4	− 4·7	28	− 5
	Kilkenny	71	39	65·6	50·4	57·6	+ 3·0	109	0	3	0·40	− 0·20	*	*	*	*
	Roche's Point	65	47	63·7	55·7	59·5	+ 4·2	123	0	2	0·23	− 0·60	*	*	*	*
	Valencia	66	46	63·7	52·4	57·8	+ 2·0	111	0	7	0·62	− 0·38	13·6	−16·7	16	−19
	Killarney	68	45	64·9	51·9	58·1	+ 3·5	113	0	4	0·76	?	*	*	*	*
	Foynes	68	47	65·0	51·5	57·9	+ 3·6	111	0	5	0·43	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	69	55	66·6	57·0	61·6	+ 4·0	137	0	2	0·22	− 0·60	43·2	?	51	?
	Jersey	71	43	69·4	52·6	60·6	+ 0·9	130	0	0	0·01‡	− 0·74	60·1	+18·0	71	+22

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

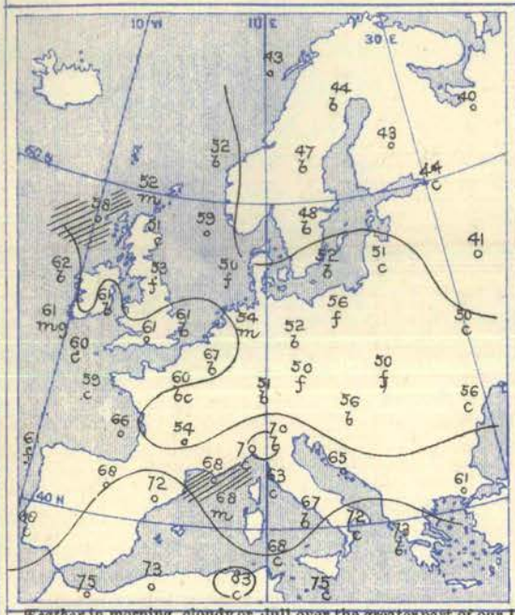
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

‡ Wet Fog or Dew.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 16th September.

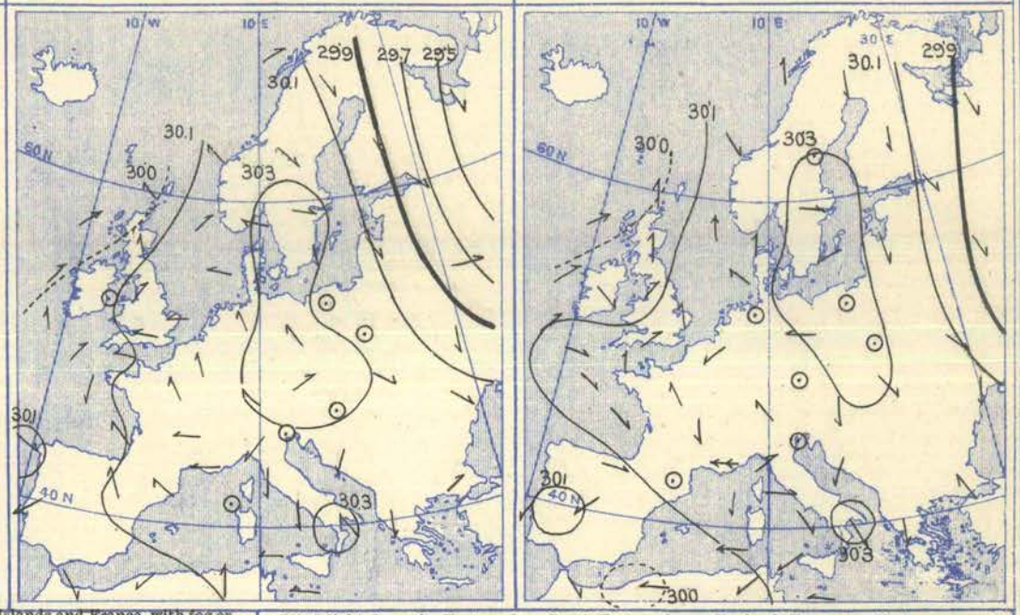
Temperature and Weather. 8 a.m.



Weather in morning cloudy or dull over the greater part of our Islands and France, with fog or mist in many places: thunderstorms reported at Pembroke and rain at Perpignan. Fine in the north of Scotland and also in Scandinavia, the Netherlands, Austria and Italy; foggy or misty in Denmark and Germany; cloudy at most of the Russian stations. Slight rain falling later at several places in the west, south and extreme north of our Islands, and larger quantities in the extreme south of France; thunder and lightning occurring at Spurn Head and lightning seen in London.

Temperature risen over western and southern Europe generally but fallen in most of the northern and central countries. Morning readings highest, 83° at La Calle, 79° at Sfax, and 78° at Tunis; above 72° at many of the Mediterranean stations; above 65° over southern Europe generally and just touching that point at some of the English Channel Stations. Lowest, 40° at Archangel, 41° at Moscow, and 43° at Kuopio and Helsingfors. Rising during day to 70° and upwards in several parts of Great Britain, and reaching 82° in London; exceeding 80° also in many parts of France and southern Europe, the highest reading reported being 84° at Paris, Bordeaux, Madrid and Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.

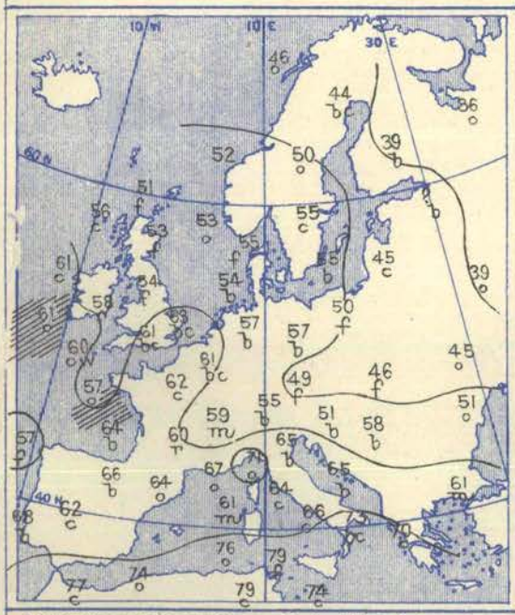


Wind light from the Eastward or South-Eastward over England, France, north Germany and the Netherlands, and from the Southward over the northern parts of the United Kingdom as well as in the west of Norway. Northerly or North-Westerly in Russia and also over southern Italy; calm in Austria, variable over south Germany and northern Italy. Subsequently shifting to the Westward over the English Channel and the Bay of Biscay; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards over Germany, Denmark, and the south of Sweden; 30·1 ins. and upwards in an anticyclone covering all but the extreme eastern and western parts of Europe. Lowest, 29·5 ins. in a depression over northern Russia; 30·0 ins. and less in a shallow disturbance off the north-west of Scotland. Russian depression subsequently moving away to the eastward.

Monday, 17th September.

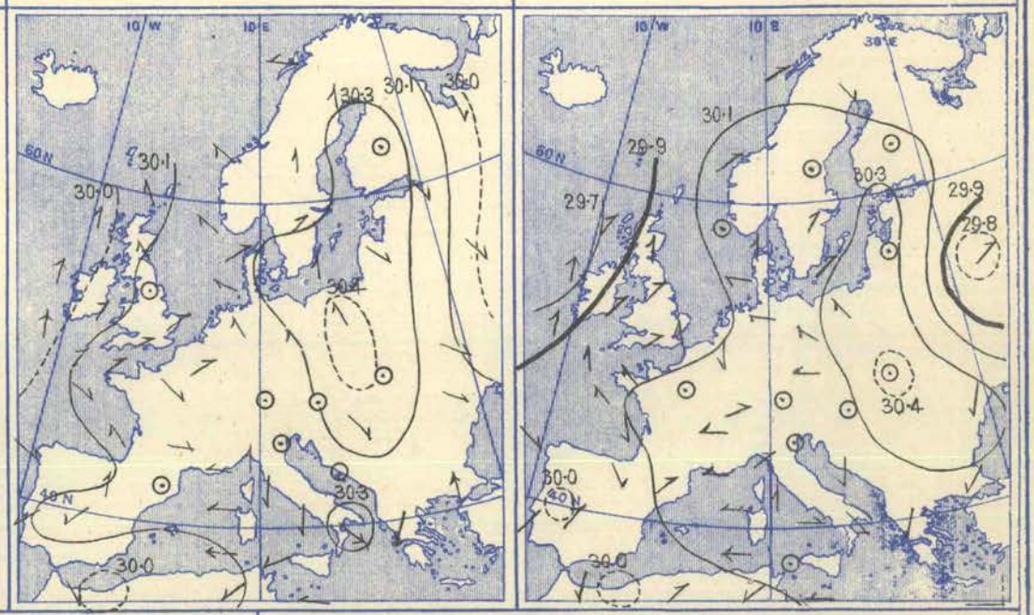
Temperature and Weather. 8 a.m.



Weather in morning varying greatly in different places, but cloudy over western Europe as a whole, with fog or mist in several localities and specially on our own north-east and north-west coasts. Fine in most of the centre and southern countries and also in Finland, but foggy in places; dull in the extreme south of France and the centre and southern parts of Russia. Rain, falling later at many of our own western and extreme northern stations and also in the south of France; thunderstorms occurring in Algeria.

Temperature risen over England and also in Scandinavia, changed irregularly elsewhere. Morning readings highest, 79° at Palermo and Tunis, 77° at Sfax, and 76° at Oporto, Barcelona, Cagliari, and Algiers; above 70° at most of the Mediterranean stations and slightly above 60° in the southern parts of the United Kingdom. Lowest, 36° at Archangel and Uleaborg, and 39° at Kuopio and Moscow; below 50° in many parts of northern and central Europe. Rising during day to between 65° and 70° at several of our own stations, and to 76° in London; exceeding 80° in many parts of France and southern Europe, and reaching 97° at Lisbon.

Barometer and Wind. 8 a.m. and 6 p.m.

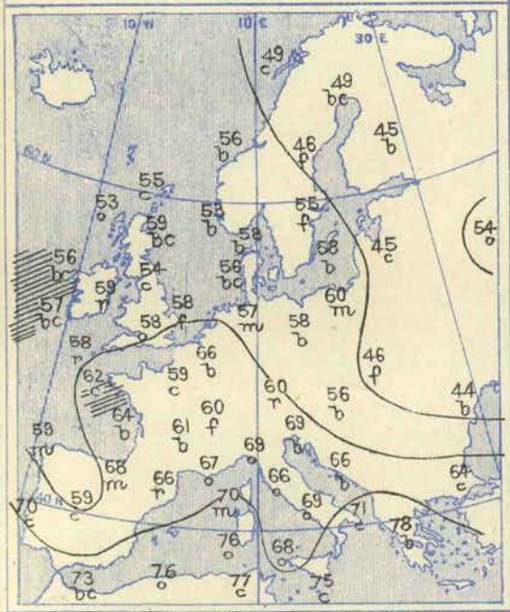


Wind Southerly in Ireland and Scotland, and fresh in force in the west; light and rather variable over England, France, Italy and the Netherlands; North-Easterly over the Spanish Peninsula. South-Easterly in Norway and Denmark, and Southerly in Sweden; Northerly or North-Westerly in Russia; calm in Austria, subsequently increasing to a strong breeze or moderate gale from the Southward in Ireland; no important change occurring elsewhere.

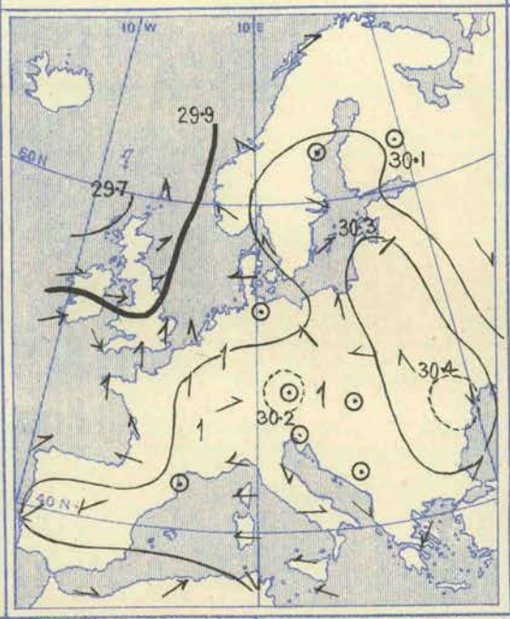
Barometer highest, 30·4 ins. and upwards in Poland; 30·1 ins. and upwards in an anticyclone embracing all but the most eastern and western parts of Europe. Lowest 29·9 ins. and upward in a depression lying off our own extreme western coasts and also in another system over central Russia. Depression in west spreading eastward later, and barometer falling over the entire Kingdom; disturbance over central Russia, increasing slightly in depth.

Tuesday, 18th September.

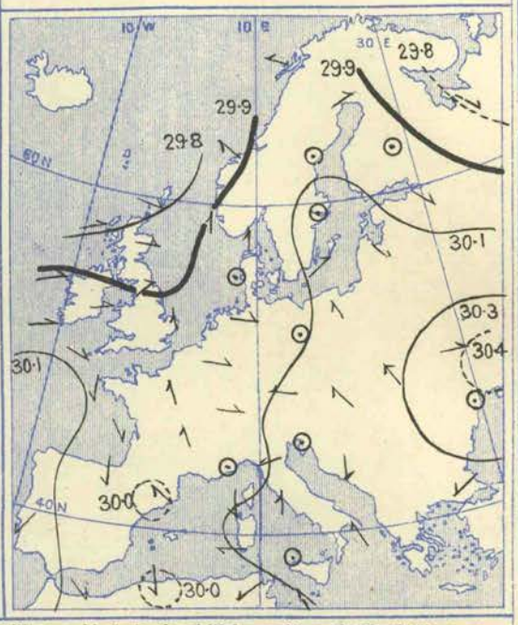
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the east of Scotland and the south of Ireland, but dull in most other parts of our Islands, with mist or fog in places and rain at several of our western stations. Fine in the western and central parts of the Continent as a whole; foggy at many of the Swedish stations, cloudy or dull over southern Europe, with rain at Perpignan. Slight rain falling later in most parts of the United Kingdom, and larger quantities over northern Italy and the south of France, with thunder and lightning in the latter region.

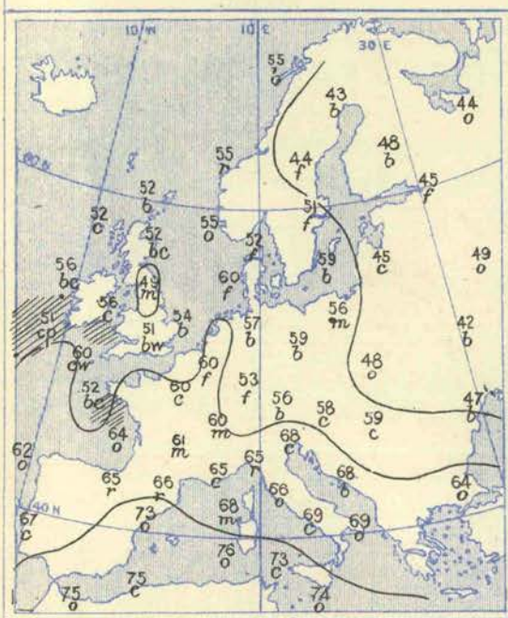
Temperature changed very irregularly. Morning readings highest, 78° at Patras, 77° at Tunis and Sfax, and 76° at Cagliari and Algiers; above 65° in most parts of southern Europe, as well as in the Netherlands, and above 60° at some of the English Channel stations, as well as in central Scotland. Lowest, 44° at Odessa, 45° at Kuopio and Nicolaieff, and 46° at Hernösand and Lemberg. Rising during day to between 65° and 70° in many parts of Great Britain, and slightly exceeding the latter point at some of the central and southern stations. Exceeding 75° in many parts of France and southern Europe, and reaching 86° at Palermo.

Wind moderate to fresh from the Westward in Ireland and Wales, and from the North-Westward at the mouth of the English Channel, light from the Southward or South-Westward in other parts of our Islands, South-Easterly in France, Germany, Denmark, and Norway. Light from the North-Westward over the central and southern parts of Russia; calm in Austria; variable in Italy; North-Easterly over the Spanish Peninsula. Subsequently veering to the Westward in most parts of Great Britain, shifting to the North-Westward or Northward in the west of France.

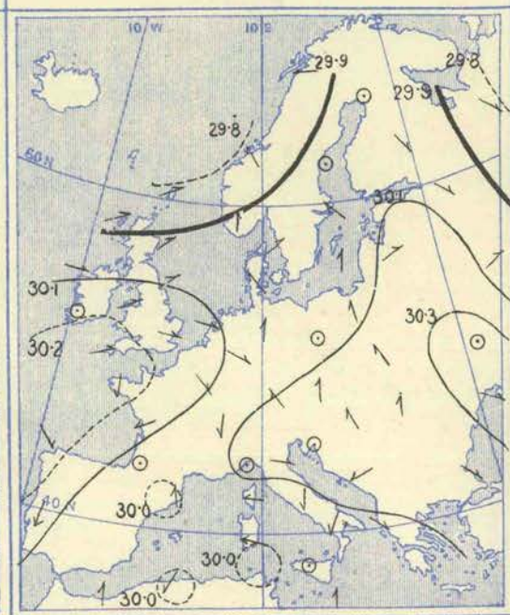
Barometer 30·3 ins. to 30·4 ins or rather more over Turkey and the south-western parts of Russia; 30·1 ins. and upwards in an anticyclone covering nearly the whole of northern, central, and southern Europe. Lowest, 29·7 ins. and less in a depression lying off the north-west of Scotland; "V shaped" secondary systems lying over various parts of our western coasts. Scotch depression subsequently moving away to the north-eastward; secondary disturbances passing eastwards across England; barometer rising in most parts of the United Kingdom.

Wednesday, 19th September.

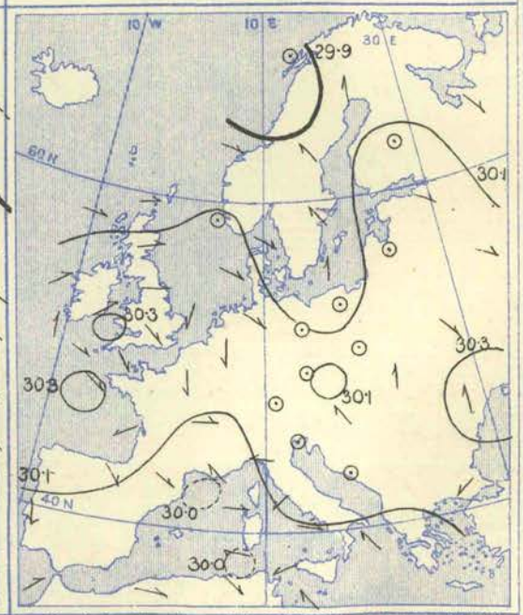
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the United Kingdom generally, but showery at Malin Head and Valencia. Cloudy or dull over the greater part of the Continent with fog at several of the northern and central stations, and with rain over northern Italy and the extreme south of France, as well as at Christiansund; fine in the south of Russia. Slight rain falling later in the extreme north and north-west of our Islands, and larger quantities over northern Italy and the south of France—as much as 1·9 in. at Cette. Thunderstorms occurring at Belfort, Aumale, and La Calle.

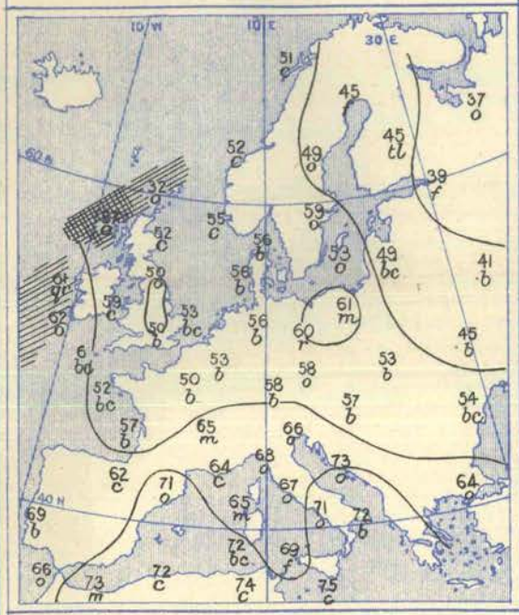
Temperature fallen over our Islands, the Netherlands and Scandinavia, changed very irregularly elsewhere. Morning readings highest 76° at Cagliari, and 75° at Nemours, Algiers, Tunis and Sfax; above 70° at most of the Mediterranean stations, and above 65° over southern Europe generally. Lowest, (1) 39° at Nicolaieff, 40° at Kharkov, and 41° at Uleaborg and Helsingfors; (2) 42° at Loughborough and 49° at Shields. Daily maxima below 60° on our extreme north and north-west coasts, but thermometer exceeding 65° in many parts of England and reaching 69° in London. Exceeding 75° over central and southern Europe.

Wind light from the Westward or South-Westward over the United Kingdom generally but North-Westerly in the south-east of England and the Netherlands, and Northerly in France and Portugal. Light from the Southward or South-Eastward over Norway, Denmark, Germany and Austria; calm in the Gulf of Bothnia; variable in Russia and Italy. Subsequently veering to the Westward in the north of Scotland and shifting to the North-Westward on the eastern shores of the North Sea; no important change occurring elsewhere.

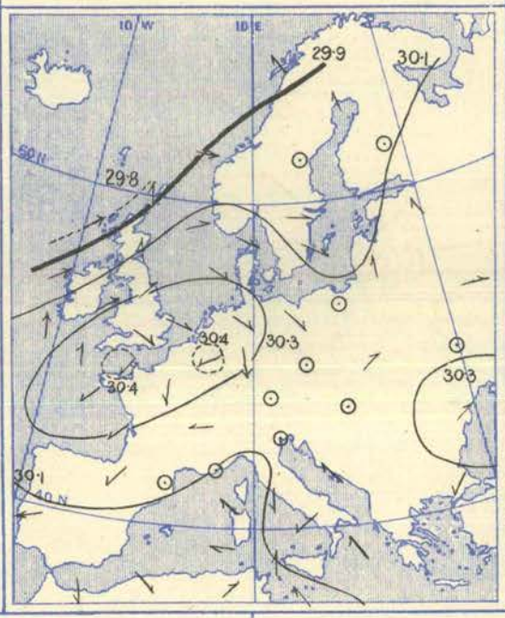
Barometer highest, 30·4 ins. and upwards in the extreme south of Russia; 30·1 ins. and upwards in an anticyclone covering all the more south-eastern parts of Europe as well as in another system extending from the Atlantic over Ireland, England, the Bay of Biscay and the west and north of France. Lowest, 29·8 ins. and less in two shallow depressions—one lying to the northward of our Islands and the other over the extreme north of Russia. The two anticyclones becoming united later; depressions in north moving eastwards and apparently dispersing.

Thursday, 20th September.

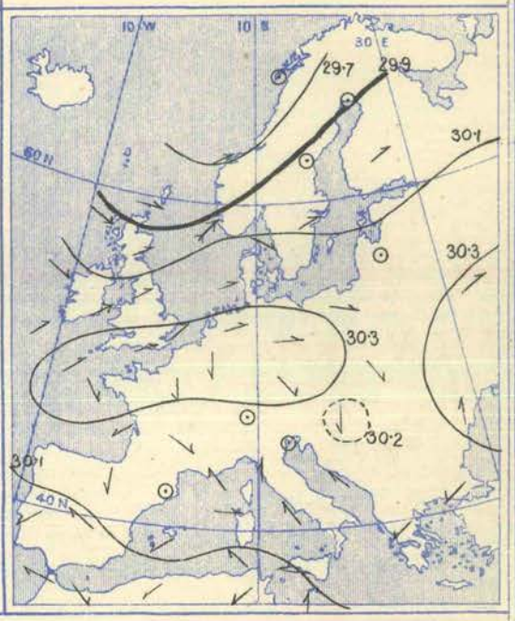
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western Europe as a whole but dull in the extreme west and and north of our Islands, with rain at Blacksod Point. Dull in Sweden and the northern parts of Russia and Germany, with rain at Berlin and with a thunderstorm at Kuopio; dull also in Italy but fine in Austria and the south of Russia. Slight rain falling later at most of our own western and northern stations and also in Germany and Austria; a considerable amount (1·6 in.) reported at Rome.

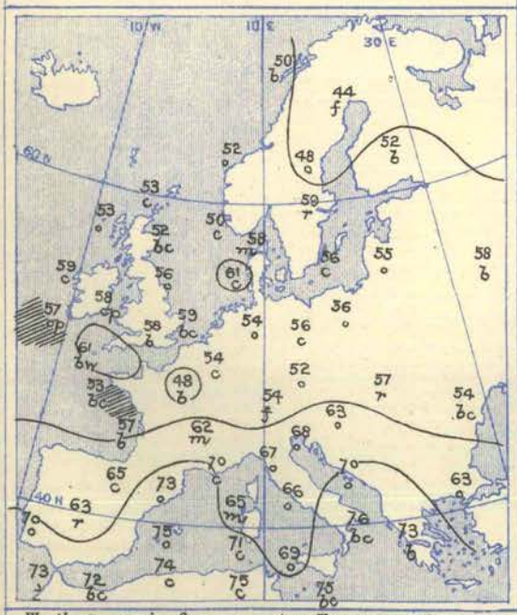
Temperature fallen in England, France and Denmark; risen in most other countries. Morning readings highest, 75° at Malta and Sfax, 74° at La Calle, and 73° at Lesina and Nemours; above 65° over southern Europe generally and above 60° on our own extreme south-west coasts. Lowest, (1) 37° at Archangel, 39° at St. Petersburg and 41° at Moscow; (2) 40° at Loughborough and 46° at Oxford. Rising during day to 65° and upwards in many parts of Great Britain and to 71° in London; exceeding 75° in the west and south of France and exceeding 80° in Spain and southern Italy, the highest reading reported being 88° at Brindisi and Palermo.

Wind South-Westerly over the greater part of our Islands and very strong in force on our extreme north-west coasts; Westerly in Norway; North-Westerly over Denmark, north Germany and the south coast of England; North-Easterly over France and the Spanish Peninsula; Easterly in Italy. Calm or variable in Russia and Austria. Subsequently backing to the South-Westward in Norway and increasing to a gale at Skudesnaes; veering to the North-Westward on our own extreme north-west coasts and moderating in force.

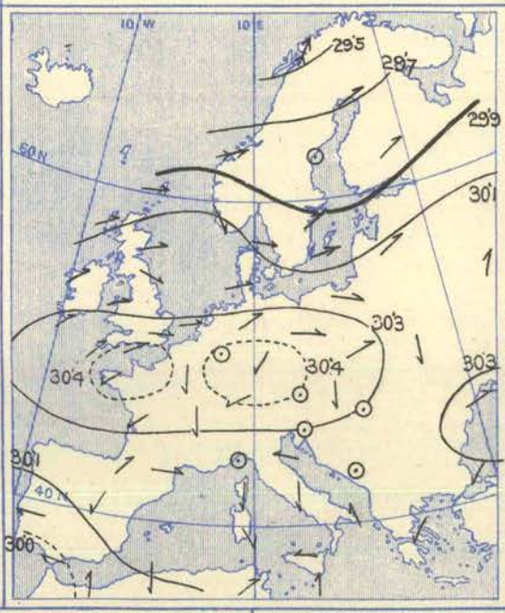
Barometer highest, 30·3 ins. and upwards over England, the Netherlands, and the north of France, and also in the extreme south of Russia; 30·1 ins. and upwards in an anticyclone embracing the greater part of Europe. Lowest, 29·8 ins. and less in a depression off the north-west of Scotland. Depression subsequently moving away to the north-eastward and barometer rising again on our own extreme north-west coasts.

Friday, 21st September.

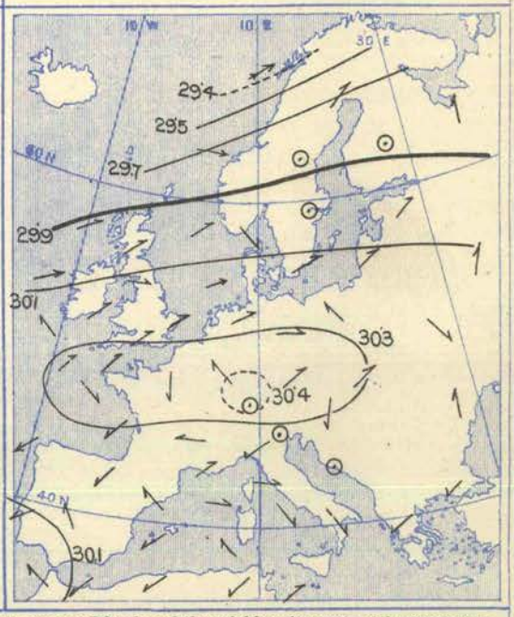
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over western Europe generally, but dull at several of our own western and central stations, with passing showers at Holyhead and Valencia (Ireland). Dull in the northern and central countries and also in Spain and Italy, with rain at Stockholm and Madrid; fine in Russia and Greece. Slight rain falling later in the west and extreme north of our Islands as well as in Denmark and Russia, and a larger quantity in the west of Norway.

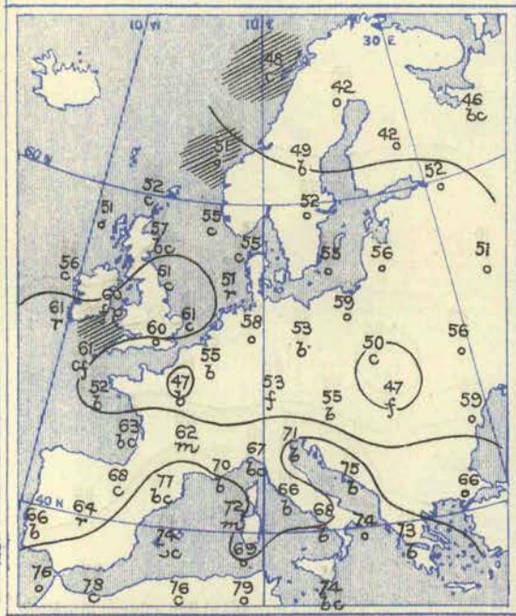
Temperature risen decidedly over England, and slightly in Denmark and the Netherlands, fallen in most other countries. Morning readings highest, 76° at Brindisi, and 75° at Oporto, Palma, La Calle, and Malta; above 65° over southern Europe generally, and above 60° at some of our own southern stations. Lowest, (1) 44° at Haparanda, 48° at Hernösand, and 49° at Uleaborg; (2) 48° at Paris, Munster and Breslau, and 50° at Le Mans and Frankfürt. Rising during day to 65° and upwards over central Ireland, and to 70° and upwards at several of the English stations; exceeding 80° in the west of France, and in many parts of southern Europe and reaching 88° at Brindisi.

Wind South-Westerly or Westerly over our Islands and the neighbouring parts of the Continent; light or moderate in force generally but strong to a gale in the west of Norway. Light from the Eastward or North-Eastward over the greater part of France and the Spanish Peninsula, but calm and variable in the extreme south of France, and also in Italy, Austria, Greece, and south of Russia. Freshening later from the South-Westward on our own extreme north and north-west coasts; no important change occurring elsewhere.

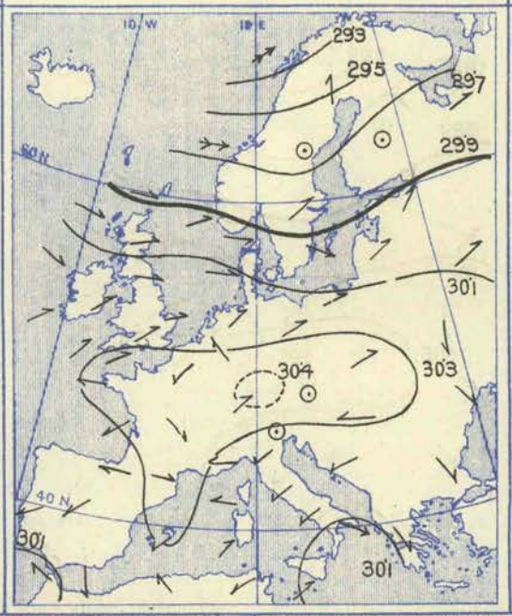
Barometer highest, 30·4 ins. and upwards over the English Channel, the north of France, Belgium, and the southern parts of Germany; 30·1 ins. and upwards in an anticyclone embracing all but the northern parts of Europe. Lowest, 29·5 ins. and less in a depression lying off the coast of Finmark; small secondary systems moving eastwards past our own extreme northern coasts and across the southern parts of Scandinavia. No decided change occurring during day.

Saturday, 22nd September.

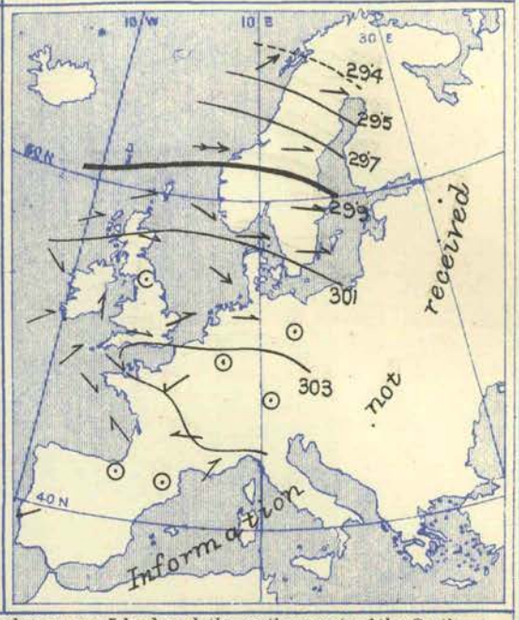
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning dull in the west and south of our Islands, with rain in places, and with fog in the St. George's and Bristol Channels, and at the mouth of the English Channel. Fine in the east of Scotland and in many parts of Scandinavia, as well as over France, and southern Europe generally, but dull at some of the Spanish stations, with rain at Madrid. Dull over Denmark, the Baltic, north Germany, and western and central Russia, with rain at Fanö and Memel. Slight rain falling at many of our own western and northern stations, and larger quantities in the west of Norway—as much as 1·7 ins. at Bodö.

Temperature risen over our Islands, France, and the Netherlands, fallen in most other countries. Morning readings highest, 79° at La Calle, 78° at Oran and Tunis, and 77° at Barcelona, above 70° at most of the Mediterranean and Adriatic stations, and slightly above 60° in many parts of England and Ireland. Lowest, (1) 42° at Uleaborg and Kuopio, and 46° at Archangel; (2) 46° at Frankfürt, and 47° at Paris, Prague, and Lemberg. Rising during day to 70° or slightly above it at many of the English stations; exceeding 80° in the west and south of France, and reaching 86° at Biarritz.

Wind Westerly or South-Westerly over our Islands and the northern parts of the Continent generally; light or moderate in force in most places but strong at several of the Scandinavian stations, with a gale in the west of Norway. Easterly or North-Easterly over the greater part of France and southern Europe, calm and variable in Austria and the south of Russia. Subsequently becoming very variable in France; no important change occurring elsewhere.

Barometer highest, 30·3 ins. to 30·4 ins. in an anticyclone lying over the English Channel, France, Germany, and Austria. Lowest, 29·3 ins. and less in a depression lying off the northern parts of the Norwegian coasts; 30·1 ins. and less in a shallow area lying to the southward of Italy. Anticyclone giving way gradually during day; depression in north moving away to the north-eastward.

GENERAL NOTES.

The sequence of weather changes was very similar to that noticed in the preceding week. At the beginning of the time when barometrical pressure was highest over the more central parts of the Continent, the weather in these Islands was influenced by cyclonic systems of considerable size but of no great depth, which spread over from the Atlantic. These occasioned slight rain in most districts, with freshening Southerly winds in the west and north generally, and slight gales on the west coasts of Ireland and Scotland.

Towards the middle of the week the depressions moved away to the eastward or north-eastward, and a large anticyclone spread from the south-westward, at first over France and England, and eventually over nearly the whole of western and central Europe. A renewal of fine dry weather was therefore experienced in these regions with fairly high day temperatures, but with cool nights, and slight ground frosts over the central parts of England. As the anticyclone moved eastwards the western and extreme northern parts of the Kingdom were again subject to the influence of depressions skirting our northern coasts, the systems being subsidiary to larger disturbances which moved across the north of Scandinavia. The wind in those parts consequently freshened from South and South-West, and rain fell almost every day, the actual amount being however small. At the close of the week the anticyclone was diminishing in intensity and moving away to the eastward, while the low pressure systems in the north and their changeable weather were spreading gradually southwards over the whole of north-western Europe,

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 224.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	25·5	?	29	?	BRIGHTON	44·3	+ 7·0	52	+ 9
STRATHPEFFER SPA	20·0	- 7·8	23	- 9	WORTHING	51·7	?	60	?
EDINBURGH	21·7	- 2·4	25	- 3	BOGNOR	52·9*	?	62*	?
MORPETH	39·1	?	45	?	WATERGATE (Emsworth)	45·6	?	53	?
NEWCASTLE-ON-TYNE	29·5	?	34	?	WESTBOURNE (Emsworth)	52·5*	+15·7	61*	+19
OSWALDKIRK (Yorkshire)	19·4	- 7·5	23	- 8	VENTNOR HOSPITAL	42·5	?	49	?
YORK					SOUTHPORT	24·1	?	28	?
LOWESTOFT	50·8	?	59	?	RHYL	36·4*	?	42*	?
HOLLESLEY BAY	49·7	?	58	?	COLWYN BAY	36·5	?	42	?
SHEFFIELD	26·1	?	30	?	ABERDOVEY	23·4*	?	27*	?
WORKSOP	19·1	- 8·5	22	-10	TENBY	27·2	- 8·0	32	- 9
THURCASTON (Leicestershire)	22·1	- 5·7	26	- 6	NEWQUAY	33·6	- 1·6	40	- 1
MARGATE	48·9	+15·9	57	+20	TORQUAY	35·5	- 1·3	42	0
EASTBOURNE	52·0	+14·2	60	+16	GUERNSEY	55·3*	+14·3	65*	+18

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°							
Week ending Aug. 4th, 1900 ..	Liverpool	—	—	—	—	—	—	—	—	—	—	—	45·6	?	42	?
,, ,, ,, ,, ,, ..	Jersey	—	—	—	—	—	—	—	—	—	—	—	69·0	+16·0	66	+ 15
,, ,, ,, ,, ,, ..	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	37·7	?	35	?
,, ,, ,, 11th ,, ..	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	41·4	?	40	?
,, ,, ,, 18th ,, ..	Tenby	—	—	—	—	—	—	—	—	—	—	—	81·0	+39·0	80	+ 38

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW ; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 39.] *Third Series* WEEK ENDING SATURDAY, SEPTEMBER 29TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 230.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	33	55·1	43·1	48·9	1 below	48	−11	0	− 2	1855	+165	639	+ 12
	1. SCOTLAND, EAST	67	33	56·8	43·5	49·9	1 below	55	−11	0	− 2	2006	− 48	697	+ 44
	2. ENGLAND, N.E.	71	41	61·7	48·2	54·7	2 above	89	+ 8	0	0	2328*	+126	518	− 31
	3. ENGLAND, EAST	72	40	65·1	50·2	57·3	3 above	107	+18	0	0	2756	+211†	530	− 87
	4. MIDLAND COUNTIES	71	36	63·0	48·2	55·2	3 above	92	+ 5	0	1	2609	+ 69	567	− 53
	5. ENGLAND, SOUTH	74	33	64·7	50·8	57·4	3 above	108	+11	0	0	2886	+128	389	− 88
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	66	40	58·5	46·3	52·2	1 above	71	− 1	0	0	2232	+ 89	506	+ 44
	7. ENGLAND, N.W.	70	40	60·7	50·5	55·3	3 above	93	+10	0	0	2432	+ 89	452	− 7
	8. ENGLAND, S.W.	72	36	62·4	50·7	56·3	2 above	100	+ 9	0	0	2695	+118	336	− 25
	9. IRELAND, NORTH	65	40	53·8	47·1	52·6	1 above	74	+ 5	0	0	2326	+ 65	416	+ 21
	10. IRELAND, SOUTH	69	34	61·3	50·2	55·5	2 above	95	+15	0	1	2656	+100	373	+ 73
	—CHANNEL ISLANDS	71	49	65·2	54·0	59·3	2 above	121	+15	0	0	3252	+359	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 230.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	34	23 more	184	+ 8	34·8	+ 0·7	13	−10	15	−11	960	+ 35	26	+ 1
	1. SCOTLAND, EAST	6	15	8 more	153	+ 9	24·4	+ 1·6	18	− 6	22	− 7	1014	− 92	28	− 2
	2. ENGLAND, N.E.	3	2	5 less	128*	− 6	20·8	+ 2·1	24	0	29	0	1056	− 46	29	− 1
	3. ENGLAND, EAST	3	3	3 less	129	− 1	18·3	0·0	33	+ 1	40	+ 2	1440	+ 66	38	+ 1
	4. MIDLAND COUNTIES	3	3	4 less	122	− 6	20·5	+ 0·1	28	+ 2	34	+ 2	1209	+ 77	35	+ 2
	5. ENGLAND, SOUTH	3	5	2 less	116	− 7	18·5	− 1·4	42	+ 9	51	+11	1519	+126	42	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	31	20 more	165	+14	39·1	+ 3·0	18	− 8	22	−10	1149	− 23	32	0
	7. ENGLAND, N.W.	5	9	0 average	138	− 1	25·4	+ 1·1	28	+ 2	34	+ 3	1328	+121	36	+ 3
	8. ENGLAND, S.W.	5	9	1 less	144	+ 5	28·9	+ 0·8	36	+ 4	43	+ 5	1506	+ 85	42	+ 2
	9. IRELAND, NORTH	7	17	10 more	171	+ 7	26·3	+ 1·0	21	− 3	26	− 3	1147	+ 74	32	+ 2
	10. IRELAND, SOUTH	6	10	2 more	150	+ 2	29·6	+ 1·7	25	− 4	30	− 5	1258	+ 40	35	+ 1
	— CHANNEL ISLANDS	5	7	1 less	148	+ 1	21·8	− 0·4	44	+ 5	53	+ 6	1704	+134	50	+ 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was extremely unsettled and rainy over Ireland and Scotland, and to a lesser degree over all the western parts of England. Over the central, southern and eastern districts of England, however, the conditions (although much less fine than of late) remained mostly fair, and the rain was comparatively slight.

Temperature continued above the mean in nearly all parts of the Kingdom, but was a little below it in Scotland N. and E. The highest of the maxima were registered on the 23rd, and ranged from 74° in England S. to 65° in Ireland N., and to 63° in Scotland N. The lowest of the minima, which occured either on the 25th or 26th, varied from 33° in Scotland N. and E. and England S., and 34° in Ireland S. to 41° in England N.E. and to 49° in the Channel Islands.

Rainfall was again less than the mean in almost all the English districts, but exceeded it in Ireland and Scotland. In the north and west of Scotland the fall was more than three times as great as the normal, and in Scotland E. and Ireland N. about twice as great.

Bright Sunshine was deficient in Ireland and Scotland, and just equal to the mean in England N.E. In all other parts of England, however, there was an excess. The percentage of the possible duration ranged from 53 in the Channel Islands and 51 in England S. to between 30 and 26 in Ireland and 22 and 15 in Scotland.

Barometer and Wind.—During the whole of this period depressions from the Atlantic (some of them rather deep) travelled north-eastwards or eastwards, and affected our western and northern coasts, while their secondary systems moved in a similar direction further to the southward. The winds were consequently mainly South-Westerly in direction and occasionally increased greatly in force, especially in the west and north. On Thursday night and during Friday the South-Westerly current was temporarily interrupted in Scotland by the appearance of a breeze from the North-Eastward.

* This value has been altered slightly owing to the receipt of further information for a preceding week.

† The corresponding value in last week's report should read "+193."

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II.—DATA from which the SUMMARY on page 229 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°			Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	56	37	51·9	42·3	46·9	− 1·9	34	0	7	2·52	+ 1·70	*	*	*	*
	Stornoway	58	34	53·0	41·3	46·9	− 2·1	37	2	7	5·57	+ 4·35	11·8	−10·9	14	−13
	Wick	59	34	55·1	42·6	48·6	− 1·2	48	0	7	1·95	+ 1·37	*	*	*	*
	Lairg Ⓢ	67	33	57·9	40·0	48·5	+ 0·2	54	6	7	1·58	+ 0·76	*	*	*	*
	Glencarron Ⓢ	60	39	? 55·0	? 44·6	? 49·6	? + 0·8	? 53	0	7	4·73	+ 2·93	*	*	*	*
	Fort Augustus Ⓢ	61	36	55·8	44·5	49·9	− 0·9	55	0	7	2·24	+ 1·26	8·6	− 8·2	10	−10
	Fort William Ⓢ	63	40	57·3	46·7	51·8	+ 0·6	69	0	7	4·94	+ 3·20	10·4	−11·3	13	−12
1. SCOTLAND, E.	Nairn	63	33	57·6	41·1	49·0	− 1·6	53	3	7	1·29	+ 0·66	*	*	*	*
	Aberdeen	60	37	56·6	44·6	50·3	− 0·5	58	0	6	1·42	+ 0·70	25·8	− 0·0	31	0
	Braemar Ⓢ	58	36	52·7	42·1	47·2	− 0·3	36	0	6	1.64	+ 0·90	15·5†	− 8·4†	19†	− 9†
	Ochtertyre Ⓢ	61	35	56·9	43·6	49·9	− 0·8	55	0	6	2·52	+ 1·65	*	*	*	*
	Leith	67	42	60·0	47·3	53·4	+ 0·9	80	0	5	0·92	+ 0·38	*	*	*	*
	Marchmont Ⓢ	62	38	57·1	42·3	49·3	− 0·6	51	0	5	1·39	+ 0·59	14·0	− 9·7	17	−12
2. ENGLAND, N.E.	Alnwick Castle	69	42	60·8	46·3	53·2	+ 2·5	78	0	2	0·29	− 0·42	*	*	*	*
	Durham	67	41	60·6	46·2	53·1	+ 1·6	78	0	3	0·05	− 0·59	25·4	+ 1·2	31	+ 1
	Shields	71	42	61·9	47·9	54·6	+ 2·7	88	0	3	0·16	− 0·42	*	*	*	*
	Scarborough Ⓜ	70	43	62·7	48·0	55·0	+ 2·1	91	0	4	0·24	− 0·43				
	Spurn Head	68	48	62·7	52·6	57·4	+ 2·9	108	0	2	0·10	− 0·40	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	70	? 41	64·3	49·2	56·4	+ 2·1	101	0	3	0·39	− 0·26	24·1	− 4·7	29	− 6
	Yarmouth	70	45	63·9	51·6	57·5	+ 2·9	109	0	3	0·33	− 0·37	*	*	*	*
	Geldeston	72	41	66·0	49·5	57·4	+ 3·3	108	0	3	0·45	− 0·17	31·5	− 2·3	38	− 3
	Cambridge	71	40	66·9	48·9	57·5	+ 3·7	109	0	3	0·16	− 0·36	31·1	+ 0·5	38	+ 1
	Felixstowe	70	47	65·2	53·8	59·2	+ 4·4	120	0	2	0·20	?	44·2†	?	54†	?
	Rothamsted	70	41	64·4	47·9	55·8	+ 2·9	97	0	4	0·46	− 0·22	32·8	+ 2·8	40	+ 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	69	39	62·7	49·3	55·7	+ 3·1	96	0	1	0·08	− 0·52	*	*	*	*
	Loughborough	71	36	65·0	49·0	56·6	+ 3·2	102	0	3	0·17	− 0·44	*	*	*	*
	Cheadle Ⓜ	69	41	60·6	46·7	53·3	+ 1·7	79	0	4	0·57	− 0·11	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	68	43	62·4	49·2	55·5	+ 3·6	95	0	3	0·22	− 0·38	24·5	?	30	?
	Churchstoke Ⓜ	70	40	62·6	47·6	54·7	+ 3·6	89	0	3	0·18	− 0·52	35·4	+ 8.1	41	+ 8
	Hereford (Belmont) Ⓜ	66	38	62·9	48·4	55·3	+ 2·7	93	0	3	0·37	− 0·30	*	*	*	*
	Cirencester	66	37	63·1	45·6	53·9	+ 2·0	83	0	3	0·21	− 0·51	24·6	− 2·3	30	− 3
	Oxford	68	42	64·6	49·4	56·6	+ 3·0	102	0	3	0·32	− 0·35	28·3	− 1·5	35	− 1
5. ENGLAND, S.	London	74	43	65·7	50·1	57·5	+ 2·9	109	0	2	0·31	− 0·28	29·9†	+ 5·4†	36†	+ 5†
	Swarraton (Alresford) Ⓜ	70	33	63·4	47·0	54·8	+ 1·0	90	0	5	0·64	?	*	*	*	*
	Dungeness	68	46	65·7	52·4	58·7	+ 2·9	117	0	3	0·62	− 0·08	41·3	?	50	?
	Hastings (St. Leonards)	67	43	64·1	50·4	56·9	+ 1·3	104	0	3	0·54	− 0·22	46·4	+10·8	57	+14
	Southampton	72	42	67·0	51·0	58·6	+ 3·2	116	0	4	0·55	− 0·20	35·0	+ 3·3	43	+ 4
	Portland Bill	65	51	63·1	55·0	58·9	+ 3·1	118	0	3	0·31	?	*	*	*	*
	Shaftesbury Ⓜ	68	44	63·6	50·0	56·5	+ 3·9	102	0	4	0·46	− 0·40	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	61	40	57·5	45·2	51·2	+ 0·4	64	0	7	5·67	+ 3·91	*	*	*	*
	Glasgow	61	42	57·6	47·7	52·4	+ 2·2	73	0	5	2·05	+ 1·20	13·7	− 6·9	17	− 9
	Glenlee Ⓢ	66	40	60·0	44·9	52·1	+ 1·3	71	0	7	3·09	+ 1·89	*	*	*	*
	Douglas (Isle of Man)	62	41	59·0	47·3	52·9	+ 0·9	76	0	6	1·75	+ 0·95	21·5	−10·4	26	−13
7. ENGLAND, N.W.	Newton Reigny	66	41	60·9	47·5	53·9	+ 3·8	83	0	5	1·36	?	21·3	?	26	?
	Stonyhurst	66	40	59·2	48·4	53·5	+ 1·7	81	0	5	1·17	+ 0·03	25·7	− 1·9	31	− 2
	Blackpool Ⓜ	65	47	60·7	51·2	55·7	+ 2·7	96	0	5	1·47	+ 0·53	26·4	− 0·1	32	0
	Manchester (Prestwich)	70	44	61·7	49·2	55·2	+ 3·1	92	0	5	0·78	− 0·20	25·6	?	31	?
	Liverpool Obsy. (Bidston)	68	48	60·7	52·7	56·5	+ 2·9	102	0	5	0·24	− 0·59				
	Llandudno Ⓜ	67	48	62·4	52·7	57·3	+ 2·6	107	0	4	0·55	− 0·25	34·7	+ 9·4	42	+11
	Holyhead	61	49	59·0	51·7	55·2	+ 0·4	92	0	6	0·92	+ 0·12	*	*	*	*
8. ENGLAND, S.W.	Llandovery	64	36	61·9	47·1	54·1	+ 2·3	85	0	7	1·19	+ 0·06	*	*	*	*
	Pembroke	62	52	60·0	54·9	57·3	+ 2·5	107	0	4	0·88	+ 0·01	27·3	− 3·8	33	− 4
	Clifton	68	46	63·3	52·5	57·6	+ 4·2	109	0	3	0·41	− 0·44	*	*	*	*
	Arlington (N. Devon)	64	44	60·6	50·3	55·2	+ 2·1	92	0	7	1·67	+ 0·52	*	*	*	*
	Cullompton Ⓜ	72	40	65·9	49·0	57·0	+ 2·5	105	0	4	0·36	− 0·49	28·2	− 1·3	34	− 1
	Falmouth	64	49	61·6	51·4	56·3	+ 0·9	100	0	5	0·97	− 0·13	48·7	+15·7	59	+20
	Plymouth	66	42	63·8	49·8	56·5	+ 1·2	102	0	5	0·55	− 0·35	41·5	+ 9·5	50	+11
9. IRELAND, N.	Malin Head	62	46	57·4	49·6	53·3	+ 1·0	79	0	7	0·16	?	*	*	*	*
	Londonderry	63	42	59·0	45·9	52.1	0·0	71	0	7	2·40	+ 1·50	*	*	*	*
	Edenfel (Omagh)	61	40	57·4	45·9	51·4	+ 1·8	66	0	7	2·21	+ 1·37	*	*	*	*
	Blacksod Point	61	46	58·6	49·1	53·6	+ 0·8	81	0	7	2·72	?	*	*	*	*
	Markree Castle	64	42	60·1	45·2	52·3	+ 1·3	72	0	7	2·01	+ 1·10	22·2	− 0·4	27	0
	Armagh	65	42	59·8	46·9	53·0	+ 2·0	77	0	6	1·33	+ 0·70	20·5	− 5·5	25	− 6
	Donaghadee	65	40	59·3	46·9	52·8	+ 0·5	76	0	6	1·37	+ 0·74	*	*	*	*
10. IRELAND, S.	Dublin	69	45	63·0	50·3	56·4	+ 3·1	101	0	6	0·40	− 0·13	28·0	− 2·8	34	− 3
	Parsonstown	69	39	60·4	48·1	54·0	+ 2·6	84	0	5	0·75	− 0·01	25·6	− 2·4	31	− 2
	Kilkenny	68	34	61·6	47·9	54·4	+ 1·2	87	0	5	0·72	+ 0·14	*	*	*	*
	Roche's Point	62	46	60·9	51·9	56·2	+ 2·1	99	0	4	0·76	− 0·06	*	*	*	*
	Valencia	64	49	60·4	53·0	56·5	+ 1·7	102	0	7	1·60	+ 0·62	21·5	− 7·2	26	− 9
	Killarney	68	41	62·0	49·7	55·6	+ 2·3	95	0	7	1·45	?	*	*	*	*
	Foynes	68	44	61·0	50·2	55·4	+ 1·6	94	0	7	1·09	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	68	52	64·3	55·4	59·6	+ 2·9	123	0	5	0·44	− 0·44	47·6	?	57	?
	Jersey	71.	49	66·0	52·6	59·0	+ 0·7	119	0	4	1·03	+ 0·18	45·0	+ 7·0	54	+ 7

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

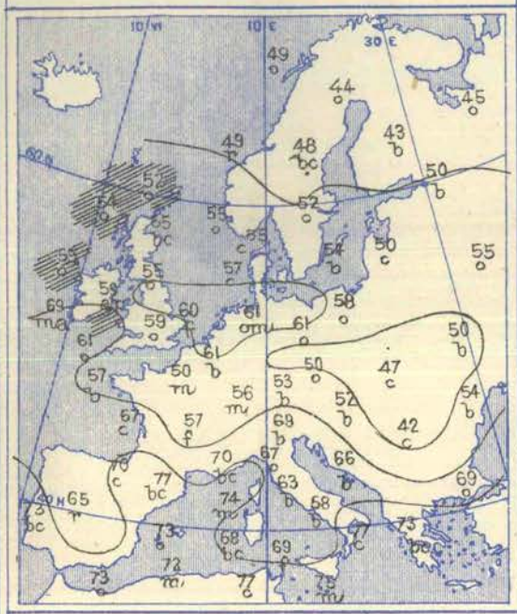
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake

Sunday, 23rd September.

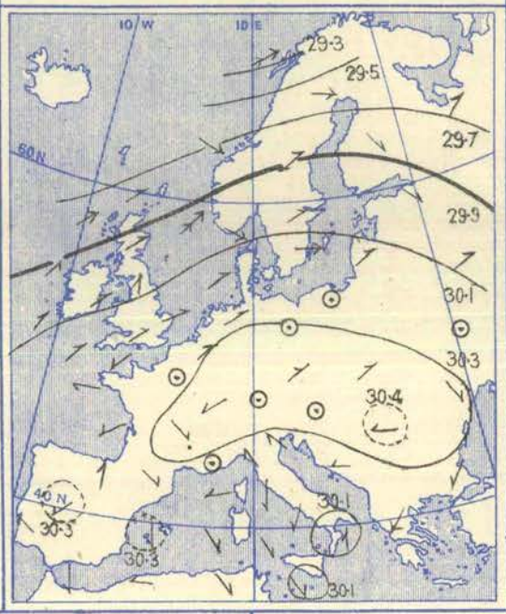
Temperature and Weather.

8 a.m.

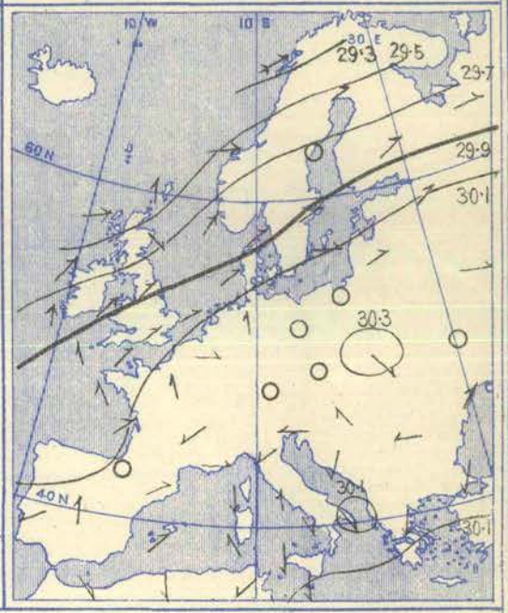


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning fair or fine over Europe as a whole, but dull or cloudy at several of our western and northern stations, as well as in the west of Norway. Fog prevailing in the St, George's Channel, and drizzling rain at Valencia (Ireland) and Holyhead. Rain falling later at all our western and northern stations, and also in the west of Norway. Thunderstorms occurring at Brussels, and lightning seen at Donaghadee during the night.

Temperature changed very irregularly. Morning readings highest, 77° at Barcelona and La Calle; above 70° at most of the Mediterranean stations, and rather above 60° over the central and southern parts of England and Ireland. Lowest, (1) 43° at Kuopio, and 44° at Haparanda and Helsingfors; (2) 42° at Hermanstadt, 48° at Frankfurt, and 50° in Paris. Rising during day to 71° at several of the English stations, exceeding 80° over the Mediterranean generally, and reaching 91° at Oran.

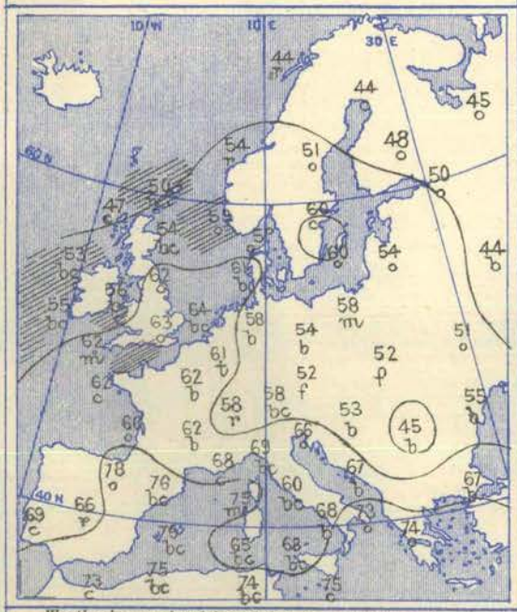
Wind South-Westerly over our Islands and the northern parts of the Continent, and light or moderate in force in most places, but strong in the west of Ireland, as well as at many of the Scandinavian stations, with a gale in the west of Norway, Easterly over Spain and the Bay of Biscay, but light and variable over France and on the Continent generally. Wind freshening from the Southward and South-Westward later at all our western and north-western stations.

Barometer highest, 30·3 ins. and upwards in a large anticyclone lying over central Europe. Lowest, 29·3 ins. and less in a rather deep depression off the north of Norway, 30·1 ins. and less in a shallow system over south-eastern Europe. Anticyclone giving way gradually and new depression appearing off our western coast during the day.

Monday, 24th September.

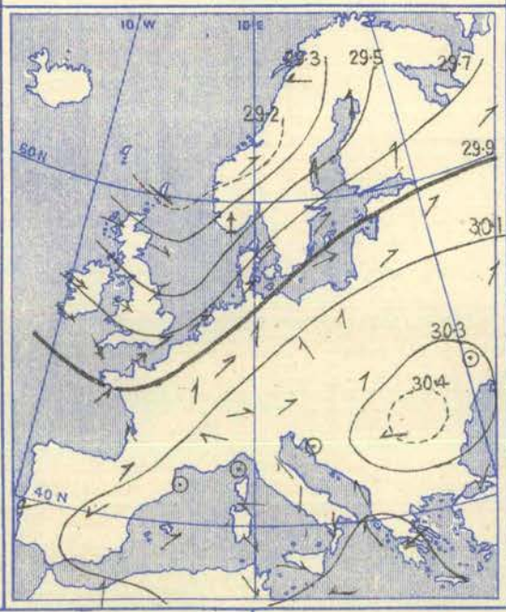
Temperature and Weather.

8 a.m.

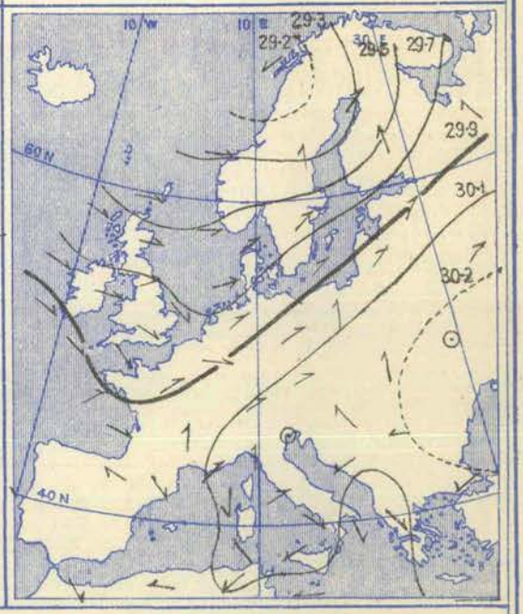


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair and fine over western and central Europe generally, but showery at some of the Welsh stations, and rainy at Sumburgh Head and Liverpool. Dull in Scandinavia and Northern Russia, with rain in the west of Norway. Fine in Italy, but cloudy over the Spanish Peninsula, with rain at Madrid. Rain falling later in most of the western and northern countries—heavily in places; thunderstorms occurring in the south of France.

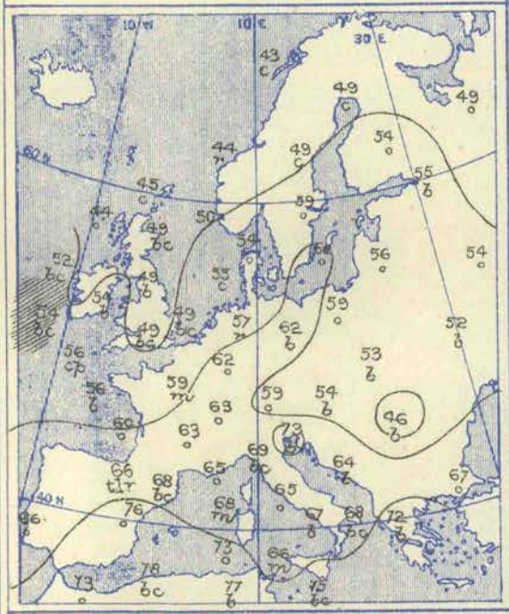
Temperature fallen in the west and north of our Islands and also in Italy, risen in most other localities. Morning readings highest, 78° at Biarritz, 76° at Barcelona and Palma, and 75° at Algiers and Malta, above 70° at the Mediterranean stations generally, and above 60° over the greater part of England. Lowest (1) 44° at Bodö, Uleaborg, and Moscow, 45° at Archangel and 47° at Haparanda: (2) 47° at Stornoway and 50° at Sumburgh Head. Daily maxima below 60° at most of our western and northern stations, but thermometer rising to between 65° and 70° in many parts of England; exceeding 80° in several parts of central and southern Europe, and reaching 88° at Toulouse.

Wind light to fresh from the North-Westward in the west and extreme north of our Islands, Southerly or South-Westerly over England and the northern parts of the Continent, and strong in force in the south of Scandinavia, with a gale at Skudesnaes, variable over the central and southern countries generally, but calm in Austria and Easterly or North-Easterly over the Spanish Peninsula. Subsequently veering to the North-Westward over England and to the Westward in Norway. No important change occurring elsewhere.

Barometer highest, 30·3 ins. to 30·4 ins. over eastern Austria and the extreme south-west of Russia; 30·1 ins. and upwards in an anticyclone covering nearly the whole of eastern, central, and southern Europe. Lowest 29·2 ins. and less in a large depression lying off the west of Norway; "V shaped" secondary systems passing eastwards across our Islands. Depressions all moving north-eastward later, and barometer rising briskly on our western and northern coasts.

Tuesday, 25th September.

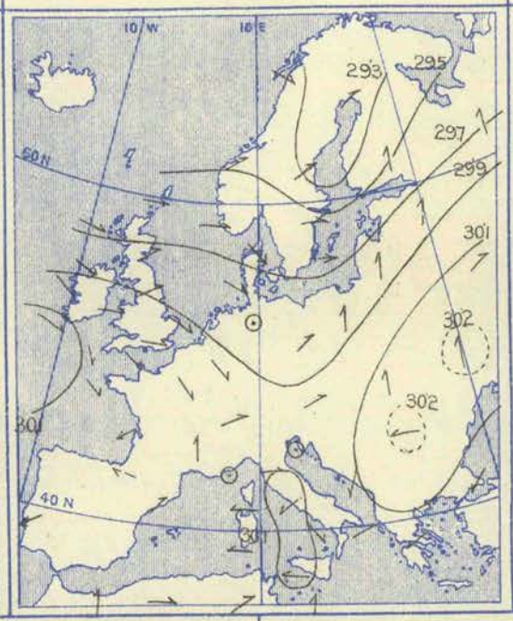
Temperature and Weather. 8 a.m.

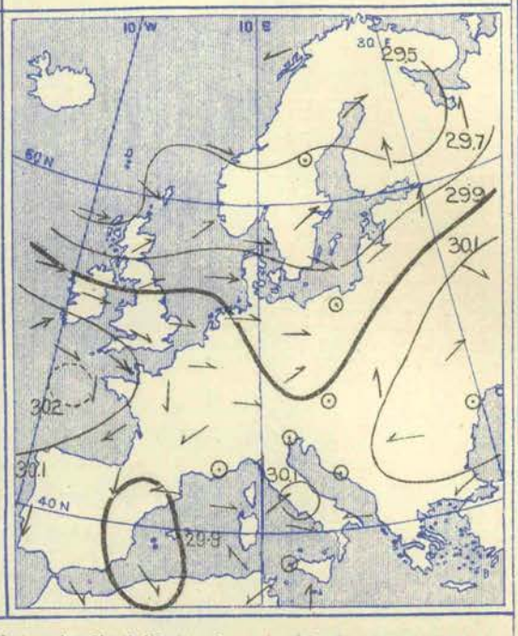


Weather in morning fair or fine over the United Kingdom and also over Italy, Austria, and the south of Russia. Cloudy or dull in most other parts of Europe, with rain at isolated places in Norway, Denmark, Germany, and France, and with a thunderstorm at Biarritz. Rain falling later in the west and north of our Islands, and also in the western and northern parts of the Continent,—heavily in the south of France (as much as 2·3 ins. at Toulouse); thunderstorm occurring at Algiers.

Temperature fallen over western and northern Europe, risen in the central countries, changed irregularly elsewhere. Morning readings highest, 78° at Algiers, 77° at La Calle, and 76° at Barcelona; above 60° at most of the Mediterranean stations. Lowest, 43° at Bodö, 44° at Christiansund and Stornoway, and 45° at Sumburgh Head, below 50° in all but the south-western parts of the United Kingdom. Daily maxima below 55° on our extreme north and north-west coasts and below 60° in the west and north of our Islands generally; thermometer exceeding 70° in France and Germany, and exceeding 80° in Spain and southern Italy.

Barometer and Wind. 8 a.m. and 6 p.m.



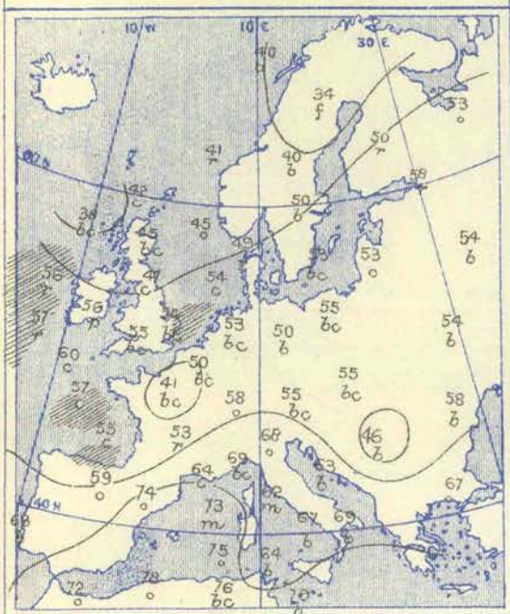


Wind light to fresh from the Westward or North-Westward over our Islands and the neighbouring parts of the Continent; South-Westerly or Southerly over Germany, the Baltic, Sweden and northern Russia. North-Easterly over the Spanish Peninsula and the south of France, calm in Austria, variable over Italy, Greece, and the south of Russia. Subsequently increasing to a strong breeze from the Westward on our extreme north-west coasts; no important change occurring elsewhere.

Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone over Austria and the central and southern parts of Russia, 30·1 ins. and upwards in another system extending from the Atlantic over our own extreme south-west coasts; lowest, 29·3 ins. and less in a depression over the northern parts of Scandinavia. Depression gradually dispersing later but new disturbance appearing off the north of Scotland in evening and barometer falling rather briskly on our northern coasts.

Wednesday, 26th September.

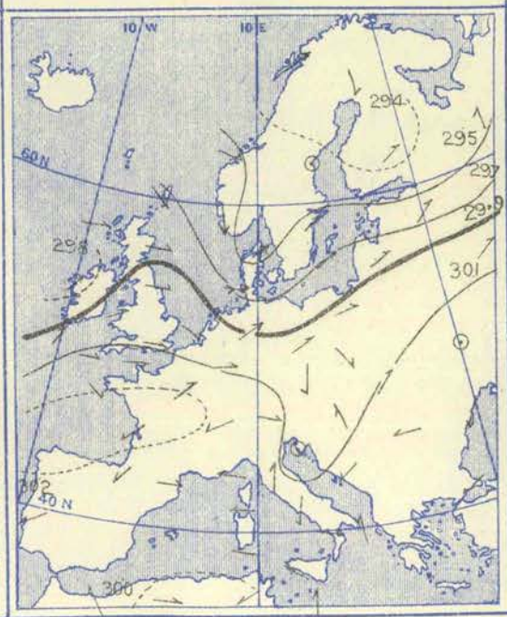
Temperature and Weather. 8 a.m.

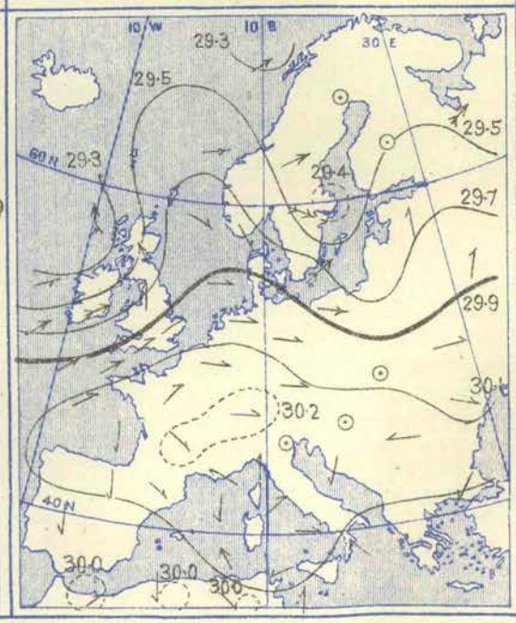


Weather in morning dull or cloudy at all our western and south-western stations, with rain at nearly all the Irish stations, as well as in many parts of northern and north-western Europe, fair and dry over the Continent as a whole. Rain falling later over the whole of our Islands and north-west Europe, as well as at several of the southern French stations. Considerable amounts reported from Scotland, and also in the west of Norway. Thunderstorms occurring at Algiers and Oran.

Temperature risen over Iceland and England, but fallen in most other countries. Morning readings highest, 78° at Algiers, 76° at La Calle and 75° at Cagliari. Lowest, (1) 34° at Haparanda, and 40° at Hernösand; (2) 38° at Stornoway and 40° at Wick; (3) 41° at Paris, 46° at Hermanstadt, and 50° at Berlin and Brussels. Rising during the day to 70° over southern Europe generally, and reaching 84° at Palermo and 93° at Tunis.

Barometer and Wind. 8 a.m. and 6 p.m.





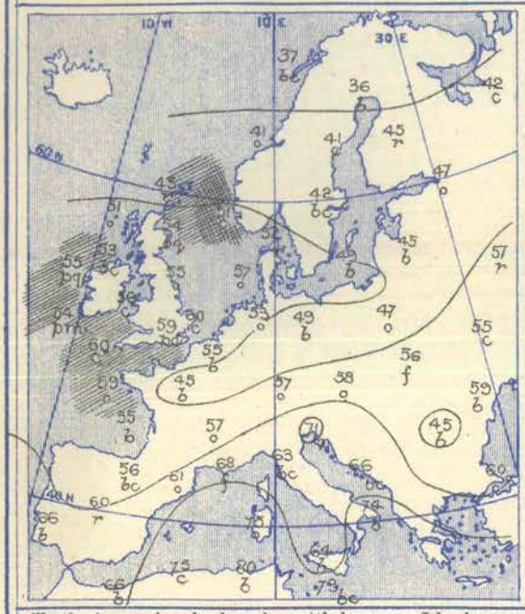
Wind backed to the Southward in Ireland, but over Great Britain, the Netherlands and Germany it was moderate from the Westward. Over south-western Sweden and the Gulf of Finland the wind was strong from the South-Westward, but over France and the Continent generally variable or North-Easterly airs were reported. Wind increasing from the Southward later over all the western and northern parts of our Islands, and blowing a gale in several places, as well as over the Baltic.

Barometer highest, 30·2 ins. and upwards over the Bay of Biscay and the north-west of France. Lowest, 29·4 ins. and less in a depression over Finland and the north of Scandinavia, 29·5 ins. and less in a secondary system over the Skager Rack, 29·8 ins. and less in a new disturbance approaching Ireland. Depression in the west proving to be large and deep, and spreading over nearly the whole of our Islands later in day.

Thursday, 27th September.

Temperature and Weather.

8 a.m.

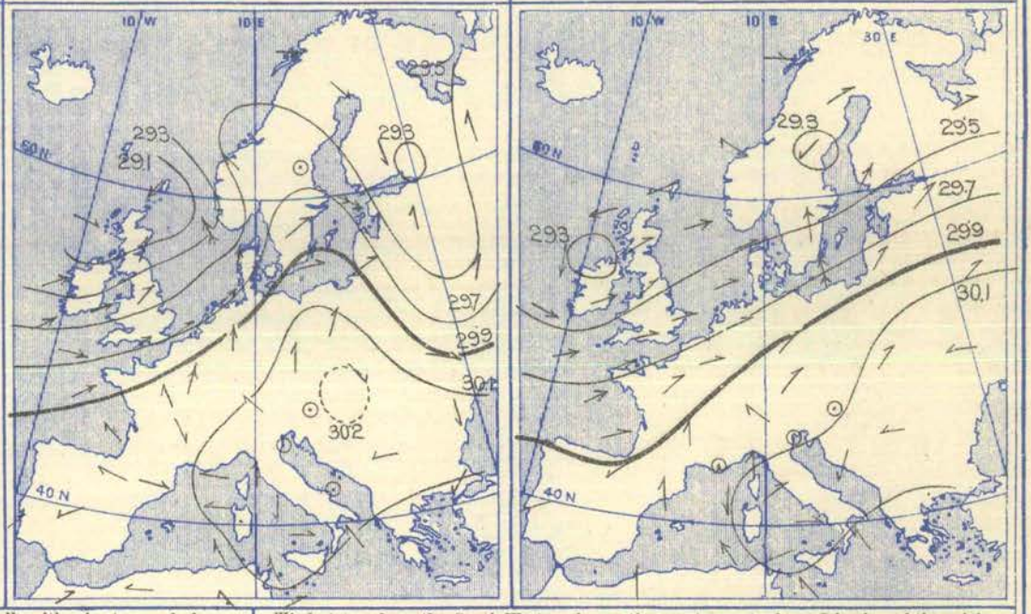


Weather in morning cloudy and unsettled over our Islands generally with rain at several of our southern stations, but fine in the east of Scotland. Fine over southern Europe, but dull in most of the northern and central countries, with rain in the south of Norway and the north of Denmark as well as at the Helder, Kuopio, and Moscow. Rain falling later over western and northern Europe generally, heavily in places; thunderstorms occurring in the west and south of France.

Temperature risen over Great Britain and France, fallen in most other countries. Morning readings highest, 80° at La Calle, 75° at Cagliari and Algiers, and 74° at Brindisi; above 70° at several of the Mediterranean and Adriatic stations. Lowest, (1) 26° at Haparanda, 37° at Bodö, and 41° at Christiansund and Hernösand; (2) 43° at Le Mans, 44° at Frankfürt, and 45° at Paris. Rising during day to 60° and upwards in many parts of the United Kingdom, and to 65° at Oxford; exceeding 70° in France, and exceeding 80° in Spain and Italy, the highest reading reported being 82° at Brindisi, Cagliari, and Palermo.

Barometer and Wind.

8 a.m. 6 p.m.



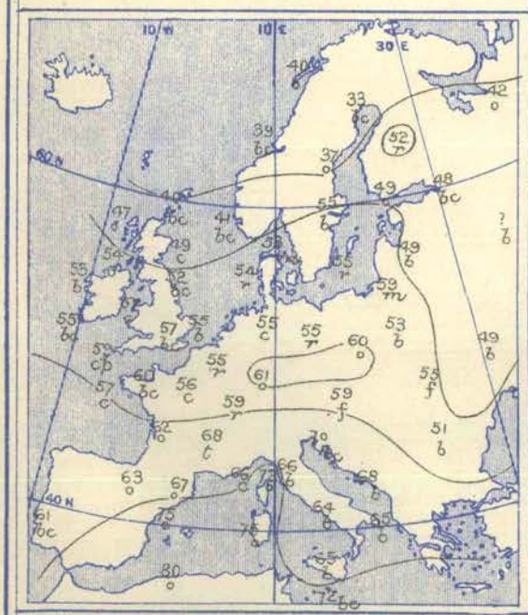
Wind strong from the South-Westward over the greater part of our Islands and the neighbouring portions of the Continent, but light from the Westward in the north of Scotland; South-Easterly on the Norwegian coasts, with a gale at Skudesnaes. North-Westerly over Finland and the Gulf of Bothnia; Southerly or South-Westerly over the central parts of Russia. Light and variable over southern Europe. Easterly in the west of France; North-Easterly over the Spanish Peninsula. Subsequently shifting to the North-Eastward in the north of Scotland, and blowing strongly in the Hebrides.

Barometer highest, 30·0 ins. to 30·2 ins. in an anticyclone lying over nearly the whole of central and southern Europe. Lowest, 29·0 ins. and less in a deep depression with its centre a little to the south-eastward of the Shetlands; 29·3 ins. and less in another disturbance over Finland. Former depression subsequently moving south-eastward and partially dispersing; well-marked secondary system appearing over the north of Ireland.

Friday, 28th September.

Temperature and Weather.

8 a.m.

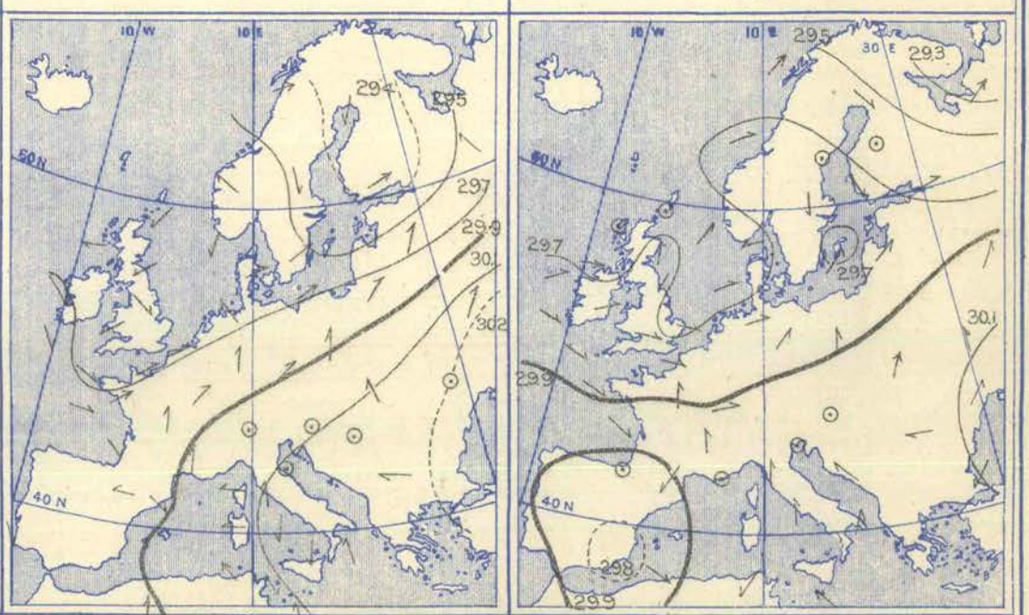


Weather in morning fine over the United Kingdom generally, but showery at one or two of the English stations. Fine in Austria and Italy, but cloudy and unsettled over the Continent as a whole with rain in many isolated places; and thunder at Lyons. Showers falling later in several parts of the United Kingdom, and steady rain over northern and central Europe; thunderstorms occurring in the south of France and in Algeria, with heavy rain (1·6 in.) at Lyons.

Temperature fallen over Great Britain and Scandinavia, risen in most other countries, quickly over central France and south Germany. Morning readings highest, 80° at Algiers, 75° at Barcelona and Cagliari, and 73° at Sanguinaire; above 65° over southern Europe generally. Lowest, 33° at Haparanda, 36° at Ulesborg, 37° at Hernösand, 39° at Christiansund and 40° at Bodö and Sumburgh Head. Daily maxima, below 55° in the north of Scotland, but thermometer rising to 60° and upwards in many parts of England, and to 65° at Loughborough and Dungeness; exceeding 70° in Germany, and exceeding 75° in many parts of southern Europe, the highest reading reported being 86° at Brindisi.

Barometer and Wind.

8 a.m. 6 p.m.

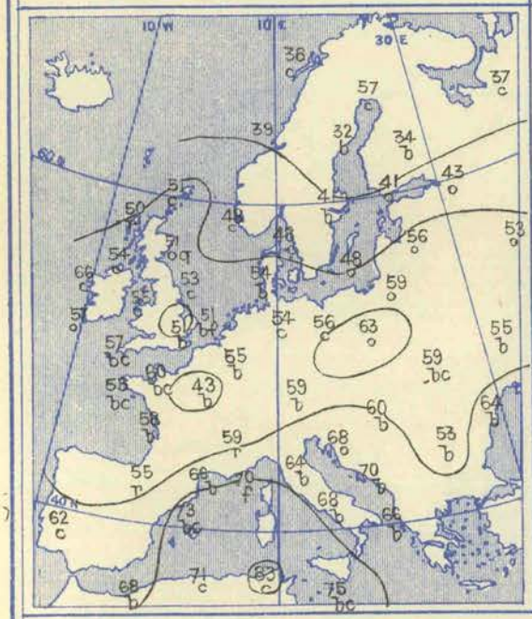


Wind Northerly to Easterly in Norway, Scotland, and the north of Ireland; North-Westerly in the south-west of our Islands and the west of France; Westerly or South-Westerly in the south and east of England, and fresh or strong in force at the English Channel stations. Light from the Southward over central France and south Germany, and from the South-Westward over north Germany and Denmark; strong from South-West over the northern parts of the Baltic, calm in Austria, variable over southern Europe generally. Subsequently becoming very variable in Scotland; no important change occurring elsewhere.

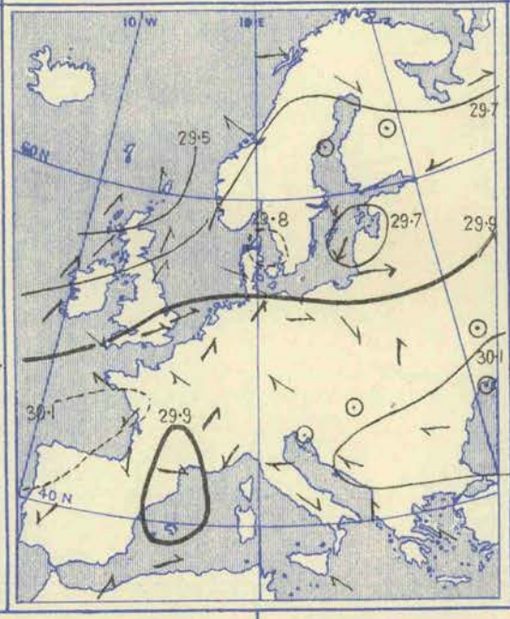
Barometer highest, 30·2 ins. and upwards in an anticyclone over the central and southern parts of Russia. Lowest, 29·4 ins. and less in a depression over Lapland and Finland; 29·6 ins. and less in an irregularly formed band stretching from Scandinavia across the northern parts of England and Ireland. Depression in far north subsequently moving eastwards; low pressure band over the North Sea filling up; new depression approaching the Scotch coasts in evening.

Saturday, 29th September.

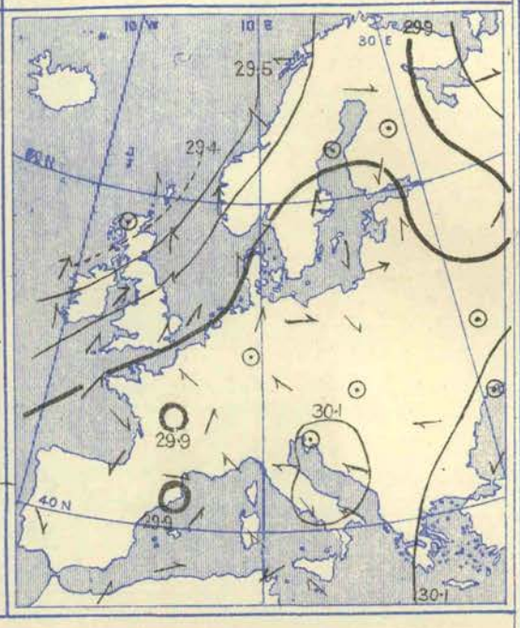
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England and the greater part of the Continent, but foggy over our midland counties; dull in Ireland and Scotland, with rain at Stornoway and Donaghadee. Very unsettled in the south of France, with rain and thunder in many places. Rain falling later in the west and north of our Islands generally; heavily in many places. Further thunderstorms occurring in the south of France.

Temperature risen in Scotland, fallen over England and the western and northern parts of the Continent, changed irregularly elsewhere. Morning readings highest, 83° at La Calle, 75° at Sanguinaire and Malta, and 74° at Cagliari; above 70° at most of the Mediterranean stations. Lowest, 32° at Hernösand, 34° at Kuopio, 36° at Karlstad, and 37° at Archangel. Thermometer rising during day to 65° or slightly above it at several of the English stations: exceeding 70° in France, and exceeding 80° in many parts of southern Europe, the highest reading reported being 88° at Brindisi.

Wind light to moderate from the South-Westward over the United Kingdom generally; rather variable in France, but chiefly Easterly or North-Easterly; North-Easterly in Finland, and the south of Scandinavia, but Westerly in Denmark and north Germany. Variable in south Germany and Italy; calm in Austria and the south of Russia. Freshening considerably later from the South-Westward on our own western coasts, shifting to the Southward in Scandinavia and increasing to a gale at Skudesnaes.

Barometer highest, 30·0 ins. to 30·1 ins. and upwards in a large anticyclone embracing the whole of Italy and south-eastern Europe; 30·0 ins. and upward in a smaller system over the Bay of Biscay. Lowest, 29·5 ins. and less in a depression off the north and north-west of Scotland; 29·7 ins. and less in another disturbance over the northern part of the Baltic. Latter system moving eastwards later and dispersing; new depressions approaching our western coasts.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶⟶ = a heavy gale ⟶⟶⟶ = a gale; ⟶⟶ = a fresh to strong breeze; ⟶⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the commencement of this week the anticyclone which had previously crossed our Islands from the Atlantic moved eastwards over the Continent and gradually dispersed. As it passed away a large depression advanced to the Norwegian coasts, while a trough of "V shaped" secondary systems travelled directly across the United Kingdom, the latter occasioning rain in all districts, with fresh or strong winds shifting from South to North-West.

In the rear of these disturbances a new anticyclone spread temporarily from the westward over France and the south of our Islands. This soon moved away, however, to the southward, and on the night of the 26th the centre of a large and deep depression skirted our extreme north-western and northern coasts, the system occasioning gales from the South-Westward on our western and southern coasts, and from the South-Eastward in the north, with heavy rain in Scotland. During the next two days the depression moved South-Eastwards and dispersed, but at the close of the week further disturbances appeared off the Irish and Scotch coasts, so that the wind again freshened from the Southward, with heavy rain in many places.

Over the southern parts of France the weather throughout nearly the whole week was extremely unsettled, with frequent thunderstorms and very heavy falls of rain, the latter occasioning serious floods in many places. In the early part of the time the cause of all this disturbed weather was by no means evident from any changes shown on the synoptic charts. Later on it was partially accounted for by a shallow depression which advanced northwards from Algeria and Spain on the 28th, and which at the close of the week was gradually dispersing over the south of France.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 230.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	16·6	?	20	?	BRIGHTON	44·3	+ 9·8	54	+13
STRATHPEFFER SPA	16·1	−10·4	20	−12	WORTHING	48·7	?	0	?
EDINBURGH	18·1	− 4·1	22	− 6	BOGNOR	46·7*	?	57*	?
MORPETH	25·0	?	30	?	WATERGATE (Emsworth)	38·0	?	46	?
NEWCASTLE-ON-TYNE	20·4	?	25	?	WESTBOURNE (Emsworth)	42·2*	+ 8·2	51*	+11
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	42·4	?	52	?
YORK					SOUTHPORT	28·7	?	35	?
LOWESTOFT	33·8	?	41	?	RHYL	34·9*	?	43*	?
HOLLESLEY BAY		?		?	COLWYN BAY	36·1	?	46	?
SHEFFIELD	30·0	?	37	?	ABERDOVEY	18·6*	?	23*	?
WORKSOP	25·5	− 0·8	31	0	TENBY	29·0	− 4·0	35	− 4
THURCASTON (Leicestershire)	30·7	+ 5·5	37	+ 7	NEWQUAY	37·6	+ 4·6	45	+ 5
MARGATE	40·3	+10·2	49	+13	TORQUAY	37·7	+ 3·7	45	+ 5
EASTBOURNE	47·7	+11·7	58	+15	GUERNSEY	40·7*	+ 3·7	49*	+ 5

* The values at Bognor, Westbourne, Rhyl, Aberdovey, and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 40.] *Third Series*

WEEK ENDING SATURDAY, OCTOBER 6TH, 1900.

[*Price 6d.*
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I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 236.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	61	30	52·9	39·5	46·0	2 below	39	−11	7	+ 4	1894	+154	646	+ 16
	1. SCOTLAND, EAST -	59	30	53·9	39·3	46·4	3 below	42	−13	8	+ 4	2048	− 61	705	+ 48
	2. ENGLAND, N.E. -	65	29	57·7	42·7	50·0	1 below	56	−14	0	− 1	2384	+112	518	− 32
	3. ENGLAND, EAST -	68	30	61·9	44·2	52·8	1 above	76	− 1	0	− 1	2832	+210	530	− 88
	4. MIDLAND COUNTIES	66	30	58·7	42·6	50·4	0 (average)	59	−14	0	− 2	2668	+ 55	567	− 55
	5. ENGLAND, SOUTH -	66	35	61·5	47·9	54·5	1 above	88	+ 2	0	− 1	2974	+130	389	− 89
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	59	30	53·7	42·1	47·8	2 below	41	−22	0	− 2	22·3	+ 67	506	+ 42
	7. ENGLAND, N.W. -	62	36	57·1	46·2	51·5	1 below	67	− 5	0	− 1	2500*	+ 85	452	− 8
	8. ENGLAND, S.W. -	65	32	60·2	46·8	53·3	1 above	79	− 1	0	− 1	2774	+117	336	− 26
	9. IRELAND, NORTH -	60	34	55·4	42·7	48·9	2 below	48	−15	0	− 1	2374	+ 50	416	+ 20
	10. IRELAND, SOUTH -	67	30	58·2	44·6	51·2	1 below	64	− 6	0	− 1	2720	+ 94	373	+ 72
	—CHANNEL ISLANDS-	69	50	63·6	52·3	57·8	2 above	111	+11	0	0	3363	+370	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 236.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH -	6	15	4 more	190	+ 8	36·3	+ 1·0	24	+ 2	31	+ 3	984	+ 38	26	+ 1
	1. SCOTLAND, EAST -	6	11	4 more	159	+10	25·5	+ 2·0	28	+ 6	36	+ 8	1042	− 86	28	− 2
	2. ENGLAND, N.E. - -	6	10	4 more	134	− 4	21·8	+ 2·5	24	0	30	0	1079*	− 46	29	− 1
	3. ENGLAND, EAST -	3	5	2 less	132	− 4	18·8	− 0·1	39	+ 8	49	+11	1481*	+ 74	39	+ 2
	4. MIDLAND COUNTIES	6	13	6 more	128	− 4	21·8	+ 0·7	26	+ 2	33	+ 3	1235	+ 79	35	+ 2
	5. ENGLAND, SOUTH -	5	9	1 more	121	− 7	19·4	− 1·3	31	+ 1	39	+ 1	1550	+127	42	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST -	6	24	12 more	171	+15	41·5	+ 4·2	28	+ 4	36	+ 4	1177	− 19	32	0
	7. ENGLAND, N.W. -	7	21	11 more	145	+ 2	27·5	+ 2·3	22	− 2	28	− 3	1350	+118	36	+ 4
	8. ENGLAND, S.W. - -	6	19	9 more	150	+ 6	30·8	+ 1·7	33	+ 3	41	+ 4	1539	+ 89	42	+ 2
	9. IRELAND, NORTH	7	17	9 more	178	+ 9	28·0	+ 1·9	29	+ 6	37	+ 8	1176	+ 80	32	+ 2
	10. IRELAND, SOUTH -	6	18	11 more	156	+ 4	31·4	+ 2·8	23	+ 1	36	+ 2	1286	+ 40	35	+ 1
	— CHANNEL ISLANDS-	5	9	1 less	153	+ 2	22·7	− 0·4	41	+ 6	51	+ 8	1745	+141	50	+ 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was extremely unsettled, especially in the western and northern parts of the Kingdom, where rainfall was frequent, and at times very heavy. Thunder and lightning occurred in most of the northern districts on October 2nd, and in several isolated parts of England and Ireland on October 4th and 5th.

Temperature differed but little from the mean. In most of the western and northern districts the values were rather below the normal, but in the Midland Counties they were just equal to it, while in the eastern, central and southern parts of England they showed a slight excess. The highest readings occurred in Scotland mostly during the earlier part of the week, but were as a rule below 60°. Over England and Ireland they were registered on October 6th, when the thermometer rose to 65° and upwards in many places, to 68° in England E. (at Cambridge), and to 69° in the Channel Islands. The lowest readings were registered during the middle portion of the week, when frost occurred at many of the inland stations, not only on the ground, but also in the shelter of the screen.

Rainfall exceeded the mean in all districts excepting England E. In England S. the excess was slight, but in all the more western parts of the Kingdom it was very large, the total amount being in many places more than twice as much as the mean. The heaviest falls occurred during the progress of the deep depression of October 4th.

Bright Sunshine was in excess of the mean over the country generally, but was slightly deficient in England N.W. The percentage of the possible duration ranged from 51 in the Channel Islands, and 49 in England E., to 30 in England N.E., and to 28 in England N.W.

Barometer and Wind.—During the whole of the week the barometer was highest over central Europe, and lowest in a series of depressions, the centres of which moved Northwards or North-Eastwards along our own extreme western and northern coasts. The prevailing winds were therefore Southerly or South-Westerly; and on October 4th, when a deep depression advanced from the Atlantic, they increased to a gale from the South-Westward over Ireland and England, and from the South-Eastward in Scotland, stormy weather continuing in the West and South until the close of week. On September 30th and October 3rd the wind shifted temporarily to the North-Westward in the rear of "V"-shaped secondary systems which passed eastwards directly across the United Kingdom.

* This value has been altered slightly owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 235 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head §	53	35	50·7	40·1	45·2	− 2·7	30	5	6	1·55	+ 0·68	*	*	*	*
	Stornoway §	56	36	52·4	38·1	45·9	− 2·9	37	11	6	2·25	+ 1·19	39·1	+17·5	50	+23
	Wick §	57	32	54·3	40·1	47·0	− 1·5	43	5	2	0·68	+ 0·08	*	*	*	*
	Lairg §	61	30	56·3	36·1	45·9	− 0·9	52	17	6	0·93	+ 0·07	*	*	*	*
	Glencarron §	56	35	51·7	41·2	46·3	− 1·3	33	2	6	1·52	− 0·37	*	*	*	*
	Fort Augustus §	57	33	52·3	39·3	45·6	− 3·9	37	8	7	1·31	+ 0·33	12·4	− 3.4	16	− 4
	Fort William §	58	36	52·3	41·5	46·7	− 3·1	35	1	6	2·41	+ 0·64	12·5	− 8·2	16	− 9
1. SCOTLAND, E.	Nairn §	56	30	54·4	36·9	45·4	− 3·5	45	14	4	0·27	− 0·37	*	*	*	*
	Aberdeen §	57	34	53·9	41·9	47·7	− 1·9	40	0	5	1·23	+ 0·50	31·2	+ 7·2	40	+ 9
	Braemar §	54	30	49·7	37·0	43·2	− 2·8	29	14	6	1.20	+ 0·45	22·7†	+ 0·7†	29†	+ 2†
	Ochtertyre §	58	31	54·4	37·6	45·8	− 3·4	45	12	7	1·96	+ 1·06	*	*	*	*
	Leith §	59	35	56·7	43·7	50·0	− 0·9	56	0	6	0·92	+ 0·40	*	*	*	*
	Marchmont §	58	30	54·3	38·4	46·1	− 2·5	44	10	5	1·24	+ 0·44	29·3	+ 7·3	38	+10
2. ENGLAND, N.E.	Alnwick Castle	60	29	56·5	41·7	48·9	− 0·7	50	1	6	0·90	+ 0·27	*	*	*	*
	Durham	65	31	56·9	40·5	48·5	− 1·3	52	4	7	1·32	+ 0·65	22·3	− 1·3	28	− 1
	Shields	61	36	57·0	42·6	49·6	− 1·1	53	0	5	1·20	+ 0·62	*	*	*	*
	Scarborough Ⓜ	63	38	58·3	42·7	50·3	− 1·2	58	0	6	0·99	+ 0·29	28·8	?	36	?
	Spurn Head	63	41	59·7	46·0	52·7	− 0·2	75	0	4	0·42	− 0·10	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	66	32	61·8	41·1	51·1	− 0·7	67	3	4	0·77	+ 0·10	33·6	+ 7·0	43	+10
	Yarmouth	65	42	60·6	46·0	53·1	+ 0·2	78	0	2	0·31	− 0·41	*	*	*	*
	Geldeston	66	30	62·4	43·4	52·6	0·0	74	0	3	0·36	− 0·28	36·6	+ 5·6	46	+ 7
	Cambridge	68	33	63·9	42·4	52·8	+ 0·6	76	0	3	0·63	+ 0·08	41·3	+13·0	52	+16
	Felixstowe	65	46	62·5	49·9	56·0	+ 3·2	98	0	3	0·27	?	43·5	?	55	?
	Rothamsted	64	33	60·3	42·5	51·1	− 0·2	64	0	5	0·71	+ 0·01	36·1	+ 8·1	46	+11
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	64	30	58·9	40·4	49·4	− 1·4	59	4	3	1·06	+ 0·44	*	*	*	*
	Loughborough	64	33	59·7	41·9	50·5	− 1·3	60	0	6	1·23	+ 0·61	*	*	*	*
	Cheadle Ⓜ	59	38	55·3	42·1	48·5	− 1·3	46	0	7	1·35	+ 0·66	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	61	42	57·5	46·4	51·8	+ 1·7	69	0	5	1·67	+ 1·05	19·3	?	24	?
	Churchstoke Ⓜ	62	36	58·3	41·9	49·9	+ 0·2	56	0	7	1·57	+ 0·83	27·8	+ 3·0	35	+ 4
	Hereford (Belmont) Ⓜ	62	35	59·5	43·2	51·1	0·0	64	0	7	1·67	+ 0·99	*	*	*	*
	Cirencester	63	35	60·0	40·3	49·9	− 0·6	62	5	6	1·00	+ 0·26	27·6	+ 2·7	35	+ 3
	Oxford	66	37	60·7	44·6	52·4	+ 0·4	73	0	4	0·61	− 0·07	32·6	+ 5·5	41	+ 6
5. ENGLAND, S.	London	66	39	62·5	46·3	54·2	+ 1·4	85	0	3	0·51	− 0·09	29·7†	+ 7·9†	38†	+ 9†
	Swarraton (Alresford) Ⓜ	64	35	60·1	42·8	51·2	− 1·1	64	0	5	1·20	?	*	*	*	*
	Dungeness	65	47	62·7	50·1	56·2	+ 1·8	99	0	4	0·66	− 0·10	27·2	?	34	?
	Hastings (St. Leonards)	64	46	61·5	50·2	55·7	+ 1·8	96	0	5	0·94	+ 0·12	30·3	− 2·7	38	− 3
	Southampton	65	41	62·6	47·5	54·8	+ 1·0	90	0	6	1·20	+ 0·42	29·0	0·0	36	0
	Portland Bill	63	50	61·3	52·4	56·7	+ 2·5	103	0	5	0·85	?	*	*	*	*
	Shaftesbury Ⓜ	62	42	59·8	45·9	52·6	+ 1·8	74	0	4	0·85	− 0·05	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart) §	57	36	52·0	42·0	46·9	− 2·7	34	0	6	2·99	+ 1·19	*	*	*	*
	Glasgow §	56	37	52·7	42·5	47·5	− 1·3	39	0	6	2·01	+ 1·16	24·1	+ 5·5	31	+ 6
	Glenlee §	57	30	53·7	38·7	46·0	− 3·6	42	9	6	2·91	+ 1·66	*	*	*	*
	Douglas (Isle of Man)	59	38	56·4	45·2	50·6	− 0·3	60	0	6	1·60	+ 0·75	32·3	+ 2·5	41	+ 3
7. ENGLAND, N.W.	Newton Reigny															
	Stonyhurst	59	38	54·7	44·0	49·2	− 1·3	50	0	7	2·49	+ 1·34	20·5	− 5·0	26	− 6
	Blackpool Ⓜ	62	38	58·7	47·0	52·7	+ 1·1	75	0	7	2·44	+ 1·48	19·6	− 5·1	25	− 6
	Manchester (Prestwich)	60	36	56·9	42·7	49·6	− 1·2	53	0	7	2·20	+ 1·22	14·7	?	19	?
	Liverpool Obsy. (Bidston)	62	42	57·0	46·9	51·8	− 0·2	69	0	6	1·64	+ 0·79	19·5	?	25	?
	Llandudno Ⓜ	62	44	58·6	49·0	53·7	+ 0·6	82	0	7	2·01	+ 1·07	26·6	+ 4·0	34	+ 5
	Holyhead	59	44	56·4	47·4	51·8	− 1·7	69	0	7	1·59	+ 0·74	*	*	*	*
8. ENGLAND, S.W.	Llandovery	61	32	60·0	38·7	49·0	− 1·1	63	9	7	3·79	+ 2·60	*	*	*	*
	Pembroke	61	48	58·3	51·3	54·7	+ 1·0	89	0	7	2·08	+ 1·18	28·6	+ 0·1	36	0
	Clifton	65	44	60·6	48·3	54·3	+ 2·3	86	0	5	1·10	+ 0·24	*	*	*	*
	Arlington (N. Devon)	63	40	58·9	45·1	51·8	0·0	69	0	7	2·72	+ 1·51	*	*	*	*
	Cullompton Ⓜ	65	38	62·1	43·7	52·6	− 0·2	74	0	6	1·00	+ 0·11	27·6	+ 1·4	35	+ 2
	Falmouth	63	47	60·0	50·1	54·9	+ 0·7	90	0	6	1·24	+ 0·08	41·0	+10·2	51	+13
	Plymouth	62	44	61·6	50·6	55·9	+ 2·0	97	0	6	1·17	+ 0·25	31·3	+ 2·4	39	+ 2
9. IRELAND, N.	Malin Head	57	43	53·4	45·9	49·5	− 1·4	53	0	7	?	?	*	*	*	*
	Londonderry	59	38	55·0	41·8	48·4	− 2·3	46	1	7	1·81	+ 0·88	*	*	*	*
	Edenfel (Omagh)	58	34	54·6	40·3	47·2	− 1·1	41	5	7	1·96	+ 1·11	*	*	*	*
	Blacksod Point	60	41	55·3	45·3	50·2	− 1·4	57	0	7	2·08	?	*	*	*	*
	Markree Castle	59	37	55·8	41·6	48·5	− 3·3	47	1	7	1·84	+ 0·90	26·0	+ 4·2	33	+ 6
	Armagh	59	36	57·1	41·7	49·2	− 0·6	52	1	6	1·20	+ 0·55	31·7	+ 6·7	40	+ 9
	Donaghadee	58	37	56·4	42·1	49·0	− 2·1	49	0	6	1·06	+ 0·41	*	*	*	*
10. IRELAND, S.	Dublin	63	39	58·7	45·5	51·9	0·0	69	0	6	1·03	+ 0·46	33·6	+ 4·6	43	+ 6
	Parsonstown	61	34	56·7	41·3	48·8	− 1·0	51	2	7	1·38	+ 0·62	28·6	+ 2·2	36	+ 4
	Kilkenny	62	30	58·6	42·7	50·4	− 1·3	59	0	4	1·10	+ 0·50	*	*	*	*
	Roche's Point	60	42	58·4	47·3	52·7	− 0·2	75	0	4	2·28	+ 1·44	*	*	*	*
	Valencia	61	37	58·0	45·9	51·8	− 1·9	69	0	7	2·02	+ 1·00	22·0	− 4·9	28	− 6
	Killarney	67	34	58·9	45·4	52·0	0·0	70	0	7	3·10	?	*	*	*	*
	Foynes	63	39	57·8	44·3	50·9	− 0·5	62	0	6	1·84	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	65	50	62·1	52·6	57·2	+ 1·5	106	0	6	0·99	+ 0·09	41·7	?	52	?
	Jersey	69	50	65·1	52·0	58·4	+ 1·6	115	0	4	0·75	− 0·20	38·8	+ 4·3	49	+ 4

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

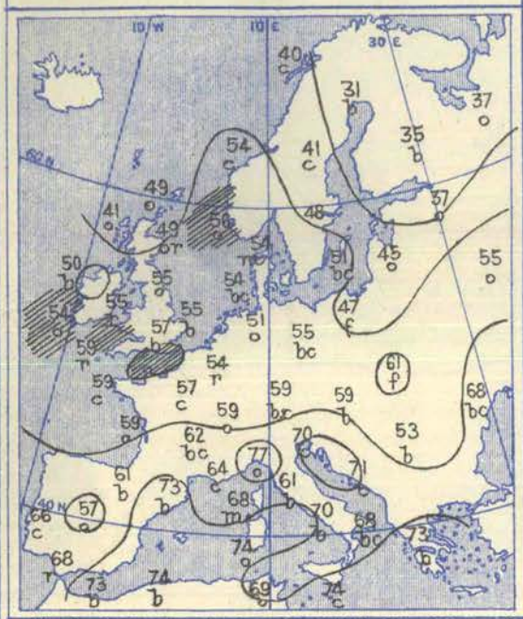
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 30th September.

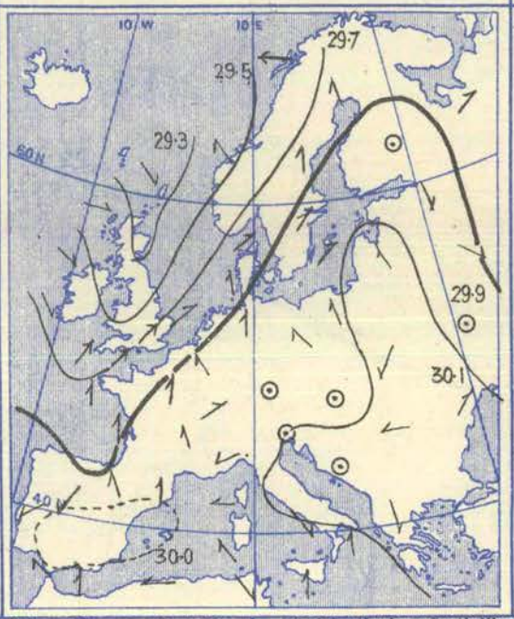
Temperature and Weather. 8 a.m.



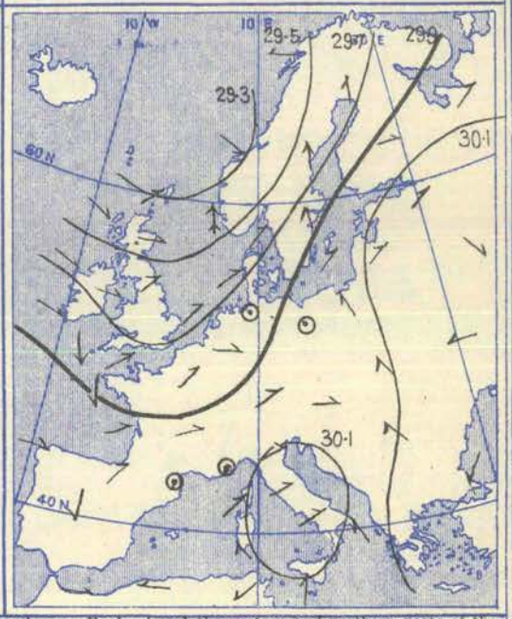
Weather in morning cloudy and unsettled over western and northern Europe; rain falling in the western and northern parts of Great Britain and also at Brussels and Frankfürt. Fine in Ireland and also in the east and south-east of England; fine also over southern and eastern Europe as a whole but cloudy over the Spanish Peninsula. Improvement taking place later in the west and north of our Islands, but rain falling in the east and south as well as at many of the Continental stations,—heavily over northern Italy.

Temperature risen over England and the western parts of the Continent, fallen in Ireland and Scotland, changed irregularly elsewhere. Morning readings highest, 77° at Leghorn, 74° at Cagliari, Malta and Algiers, and 73° at Barcelona, Patras, and Oran; above 65° over southern Europe generally and above 60° in the Channel Islands. Lowest, 31° at Haparanda, 33° at Uleaborg, and 35° at Kuopio, below 50° in many parts of Ireland and Scotland. Daily maxima below 60° at several of our own western and northern stations, but thermometer reaching 65° at Jersey and Dungeness; exceeding 70° in many parts of central and southern Europe, and exceeding 80° over southern Italy.

Barometer and Wind. 8 a.m.



6 p.m.

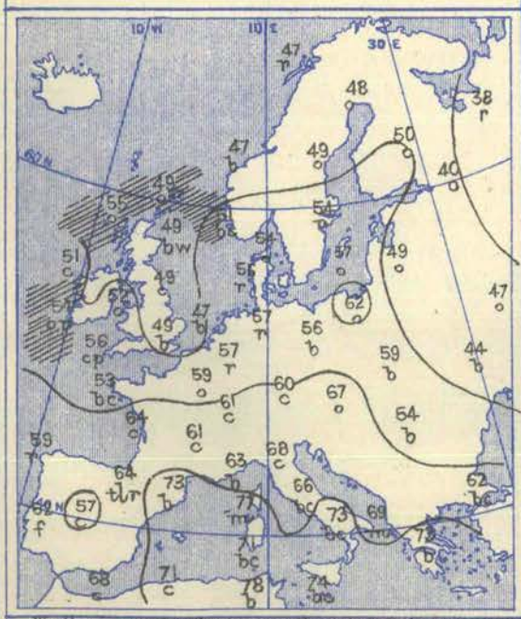


Wind Southerly or South-Westerly over England and the western and northern parts of the Continent; light or moderate in force generally, but strong on our south-west coasts and also in the south of Norway. North-Westerly in Ireland and Scotland. Calm in Austria and south Germany; variable in Italy and the south of Russia; Easterly or North-Easterly over the Spanish Peninsula. Subsequently veering to the North-Westward in the west and north of England; no decided change occurring elsewhere.

Barometer highest, 30·1 ins. and upwards in an anticyclone over the eastern and south-eastern parts of the Continent. Lowest, 29·3 ins. and less in a "V"-shaped depression over our Islands, with its central portion off the north-east of Scotland. Depression subsequently moving eastwards to the North Sea, and barometer rising in all the more western and northern parts of the United Kingdom.

Monday, 1st October.

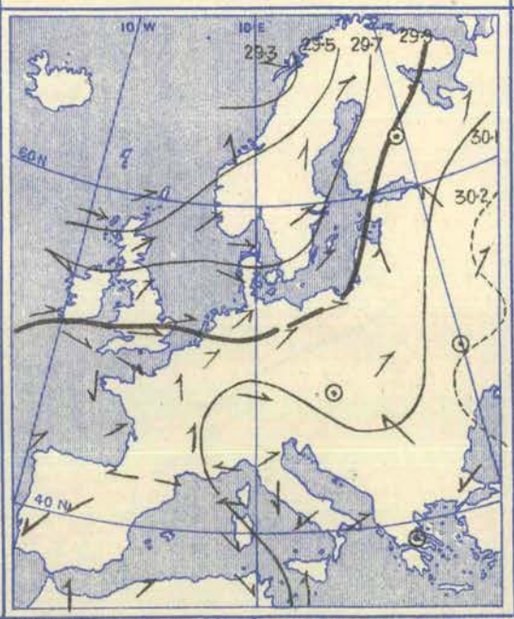
Temperature and Weather. 8 a.m.



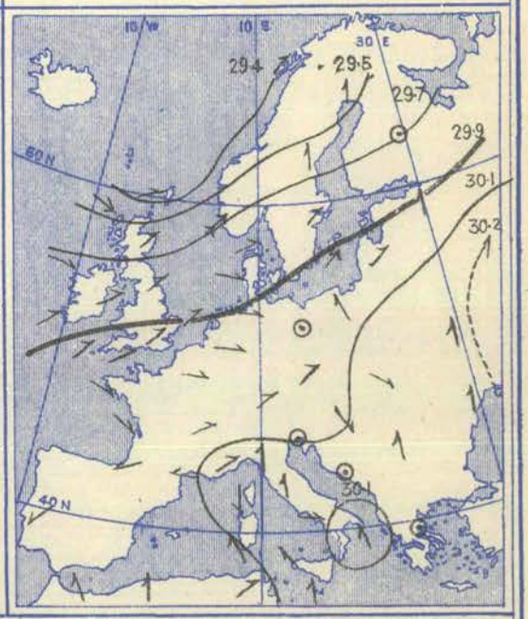
Weather in morning fine over north-western and central Europe generally, but showery at a few of our own western stations. Dull in Russia, Sweden, Denmark and north Germany, with rain in several places. Fine in Italy and Greece; cloudy at most of the French and Spanish stations, with rain at Bilbao and Corunna and a thunderstorm at Biarritz. Rain falling later in the west and extreme north of our Islands generally, and also in Germany and northern Russia; thunderstorms occurring at Clermont and Perpignan.

Temperature fallen over England and also over central and southern Russia; changed rather irregularly elsewhere. Morning readings highest, 78° at La Calle, 77° at Sanguinaire and Tunis and 74° at Malta; above 65° over southern Europe generally. Lowest, (1) 38° at Archangel, 40° at St. Petersburg and 44° at Kiev; (2) 42° at Loughborough and 46° at Donaghadee and Oxford; below 50° in many parts of the United Kingdom. Daily maxima below 60° in the west and north of our Islands, but above that point over the central and southern parts of England; thermometer exceeding 75° in many parts of southern Europe, and exceeding 80° in Italy, the highest reading of all being 95° at Palermo

Barometer and Wind. 8 a.m.



6 p.m.

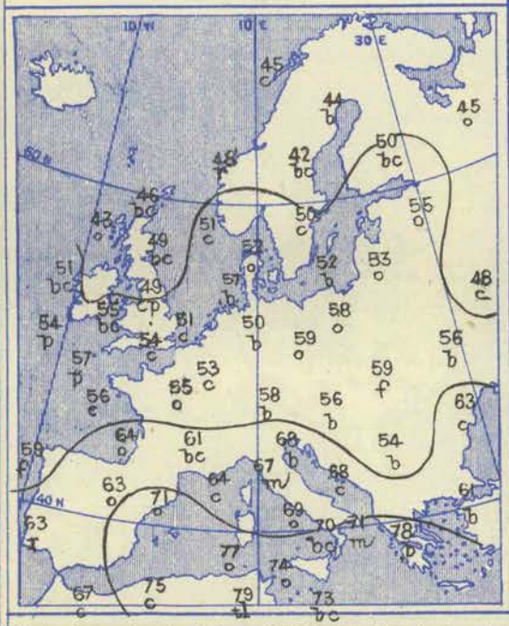


Wind Westerly or South-Westerly over our Islands, the Netherlands, Denmark, and the south of Scandinavia; light or moderate in force generally, but fresh on our own extreme north-west coasts. Southerly over the northern parts of Sweden and Russia. Light from the Northward or North-Westward over the English Channel and the north-west of France; rather variable over southern Europe, but chiefly Easterly or North-Easterly. Subsequently increasing to a gale from South-West in the south of Norway; shifting to the Westward or North-Westward at many of the French stations.

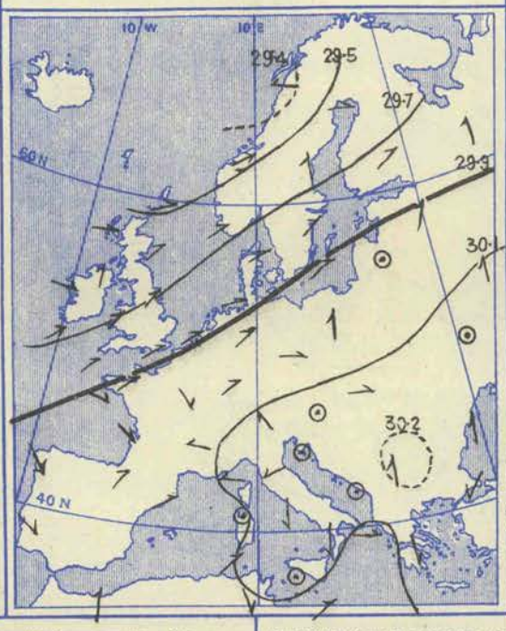
Barometer highest, 30·2 ins. and upwards over the central and southern parts of Russia; 30·1 ins. and upwards in an anticyclone covering nearly the whole of eastern and southern Europe. Lowest, 29·3 ins. and less in a depression lying off the northern parts of the Norwegian coasts; 29·4 ins. and less in a secondary system off the north of Scotland. Both disturbances moving north-eastwards later.

Tuesday, 2nd October.

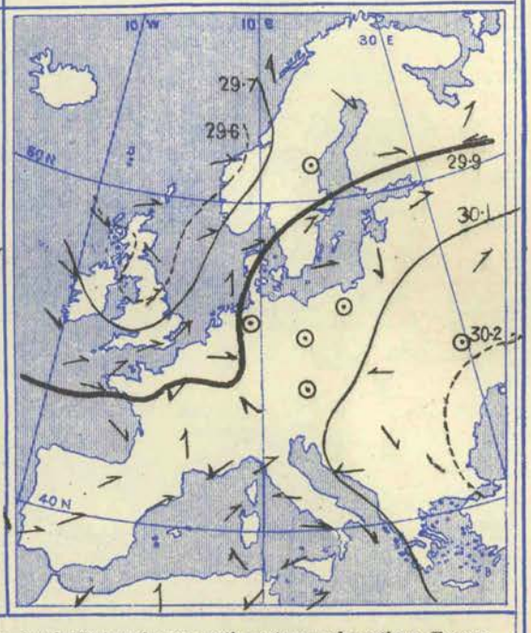
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the north of Scotland, but cloudy and unsettled over western Europe generally, with showers in many parts of England and Ireland, and steady rain at Christiansund, as well as at Limoges, Perpignan, and Lisbon. Fine in Sweden and Finland, as well as in Italy and Austria; dull in Germany and western Russia, with rain at Memel. Rain falling during day over nearly the whole of western, northern, and central Europe; thunder and lightning occurring in the northern parts of England and Wales, and lightning only at Aberdeen. Thunderstorms and heavy rains again reported in the south of France, the fall amounting to as much as 2·2 ins. at Marseilles.

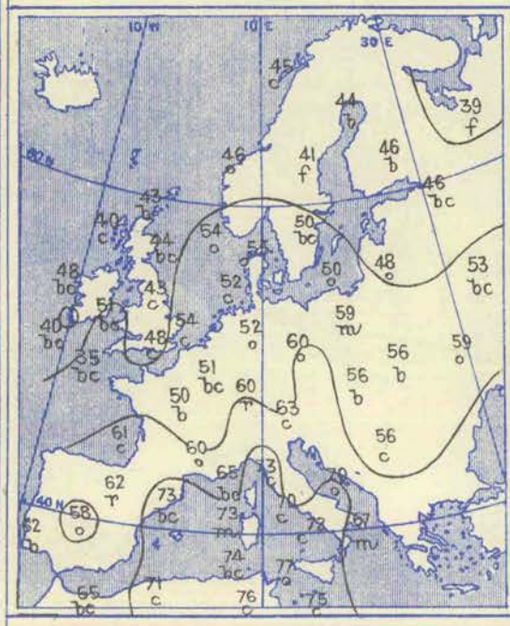
Temperature fallen in most of the northern and central countries, changed irregularly elsewhere. Morning readings highest, 79° at La Calle, 78° at Athens, and 77° at Cagliari; above 65° over southern Europe generally. Lowest, (1) 42° at Hernosand, 44° at Haparanda, and 45° at Bodö and Archangel; (2) 43° at Stornoway and 46° at Sumburgh Head. Rising during day to 60° and upwards in many parts of England; exceeding 70° over the central and southern parts of Europe, and exceeding 80° in Italy, the highest reading of all being 86° at Palermo.

Wind light to moderate from the South-Westward over north-western and northern Europe generally, but Westerly in the north of Scotland. Light and variable over the central and southern countries as a whole, but varying between North and East in Italy, and the extreme south of France. Subsequently shifting to the North-Westward in Ireland and the west and north of Scotland, and also in the west of France. No important change occurring elsewhere.

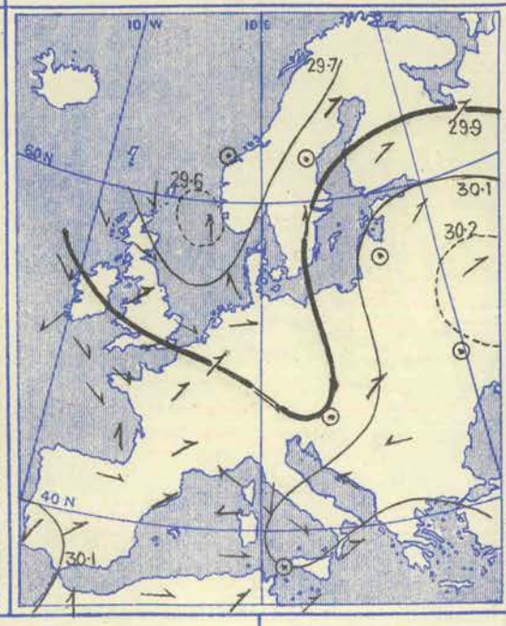
Barometer highest, 30·2 ins. and upwards over the southern parts of Russia; 30·1 ins. and upwards in an anticyclone covering the greater part of eastern and south-eastern Europe. Lowest, 29·4 ins. and less in a depression lying off the northern part of the Norwegian coasts, 29·6 ins. and less in a secondary system off the north-west of Ireland. Secondary disturbance subsequently advancing eastwards across Scotland; barometer rising again on our western coasts.

Wednesday, 3rd October.

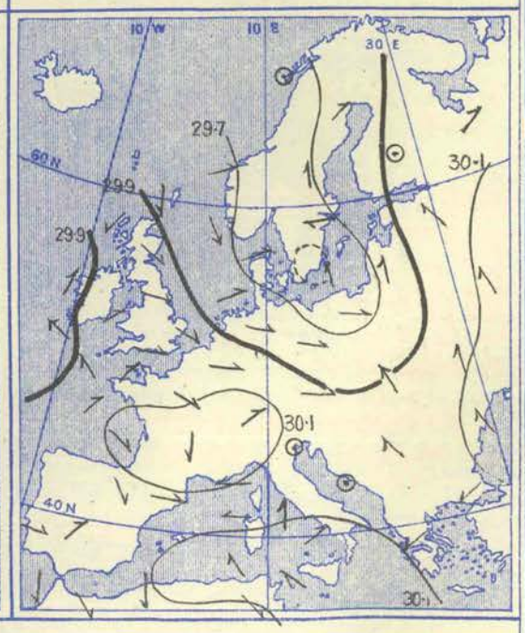
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the United Kingdom generally as well as over Austria and the greater part of Russia. Cloudy and unsettled over the Continent as a whole, with rain at some of the French, German and Danish stations. Rain falling later in the west of our Islands,—heavily in the south of Ireland; considerable amounts reported also in several parts of northern and central Europe; thunder heard at Perpignan.

Temperature fallen in our Islands, changed irregularly elsewhere. Morning readings highest, 77° at Palermo, 76° at Tunis, and 74° at Cagliari; above 65° in many parts of southern Europe. Lowest, (1) 38° at Parsonstown and 40° at Stornoway and Valencia (Ireland); (2) 39° at Archangel and 41° at Hernösand. Daily maxima below 55° at most of our own northern stations, but thermometer exceeding 60° on the south coasts of England; exceeding 70° over southern Europe generally and exceeding 80° in many parts of Italy, the highest reading of all being 88° at Palermo.

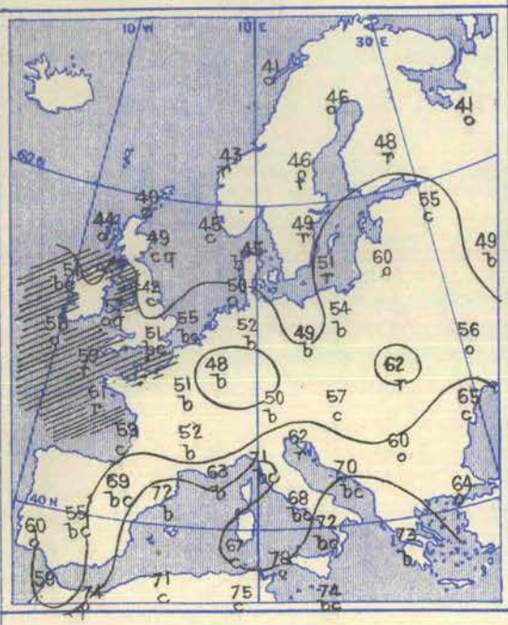
Wind light to moderate from the North-Westward over our Islands and the north of France, South-Westerly in the Netherlands; Southerly or South-Easterly over Germany, Denmark and Scandinavia, with a gale at Skudesnaes. Light from the South-Westward over northern Russia. Variable over southern Europe generally. Subsequently veering to the Westward or North-Westward on the eastern shores of the North Sea but backing to the Southward or South-Eastward on our own western coasts, and freshening.

Barometer highest, 30·2 ins. and upwards in an anticyclone over the southern parts of Russia; 30·1 ins. and upwards in another system extending over Portugal from the westward. Lowest, 29·6 ins. and less in a depression lying off the south-west of Norway. Depression subsequently moving eastwards, but new disturbance approaching our own western coasts in evening.

Thursday, 4th October.

Temperature and Weather.

8 a.m.

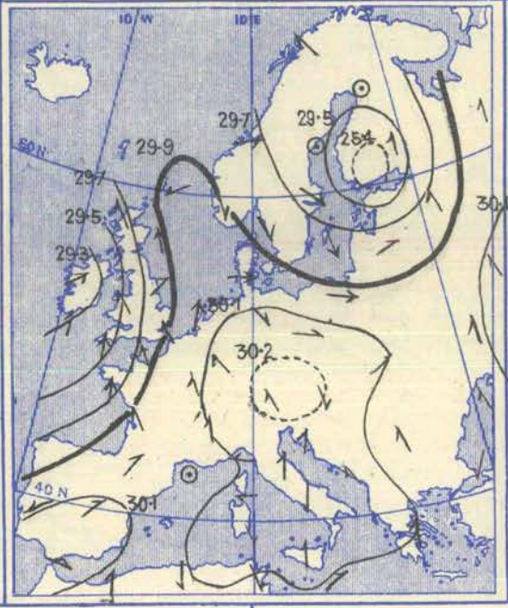


Weather in morning squally and rainy at most of our own western stations; fair or fine in the eastern parts of the United Kingdom, and also over the western, central, and southern parts of the Continent generally, but dull in the south of Spain, with rain at San Fernando. Cloudy and unsettled over Scandinavia and northern Russia, with rain in many places. Rain falling later over western and northern Europe generally—heavily in places; lightning seen at Wick and Scilly, and a thunderstorm occurring at Riga.

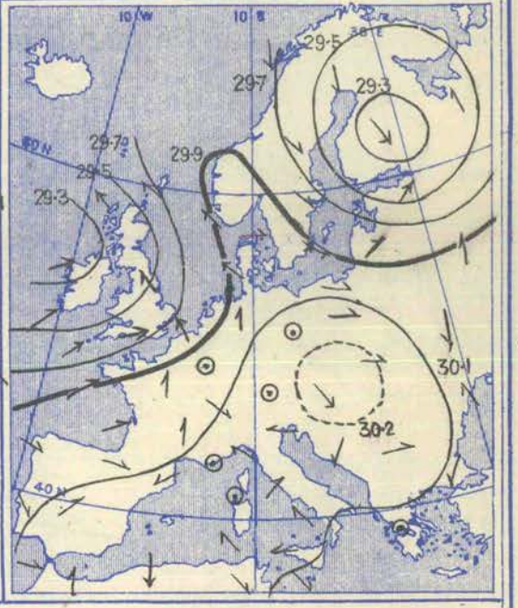
Temperature risen in our Islands but fallen at most of the Continental stations. Morning readings highest, 76° at Tunis, 75° at La Calle and Sfax, and 74° at Oran; above 65° in most parts of southern Europe and above 55° on our own southern coasts. Lowest, (1) 40° at Sumburgh Head, 41° at Bodö and Archangel, and 42° at Nairn; (2) 42° at Munster and Frankfürt. Daily maxima below 55° in Scotland, but thermometer exceeding 60° in the south of England, and reaching 65° at Jersey; exceeding 70° over southern Europe generally, and exceeding 80° over central and southern Italy, the highest reading reported being 86° at Palermo.

Barometer and Wind.

8 a.m.



6 p.m.



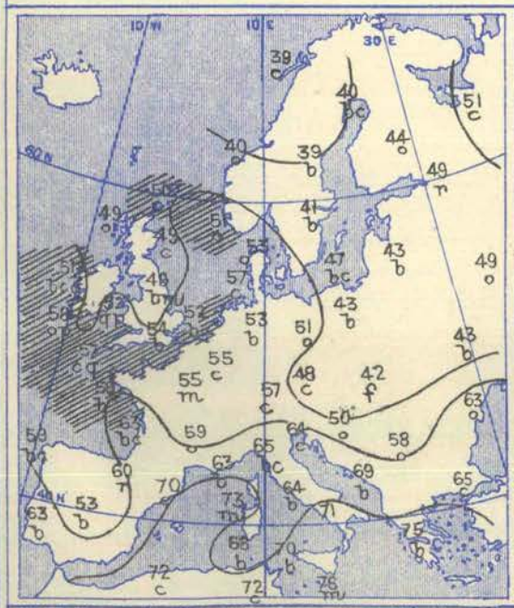
Wind Southerly or South-Easterly over the whole of our Islands, and strong to a gale in force on many parts of our own west and south-west coasts. Fresh to strong from the Westward or North-Westward over Norway, Denmark, and Germany, with a gale at Christiansund; calm in the Gulf of Bothnia. Southerly at most of the Russian stations. Variable over the central and southern parts of the Continent. Subsequently increasing to a gale from the South-Westward over England, and from the South-Eastward in Scotland; shifting also to the South-Eastward on the eastern shores of the North Sea.

Barometer highest, 30·2 ins. and upwards over south Germany, 30·1 ins. and upwards in an anticyclone covering the greater part of central and southern Europe Lowest, 29·3 ins. and less in a deep depression with its centre off the west of Ireland; 29·4 ins. and less in another disturbance over Finland. Both depressions moving slowly north-eastwards later, barometer rising again on our own western coasts.

Friday, 5th October.

Temperature and Weather.

8 a.m.

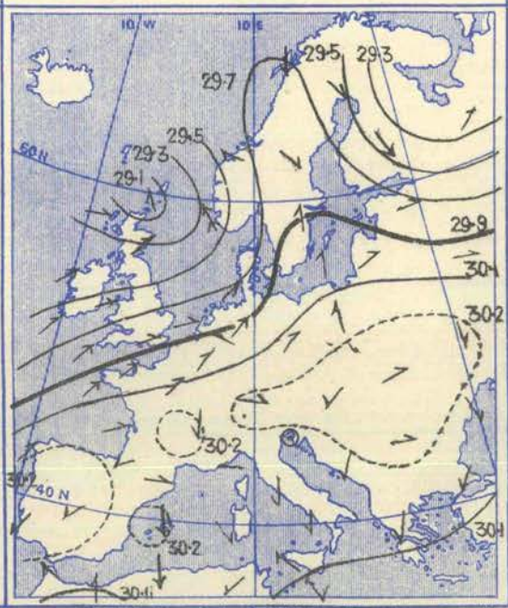


Weather in morning fair or fine over western and southern Europe generally but showery at many of our own western stations, with thunder and lightning at Roches Point. Fine in Sweden but dull in the northern and eastern countries generally, with rain at several of the Russian stations and also at Faerder and Swinemunde. Rain falling later over western and northern Europe generally—heavily in places; thunder and lightning occurring in many parts of England and also in the Netherlands, Denmark, and the south of Sweden.

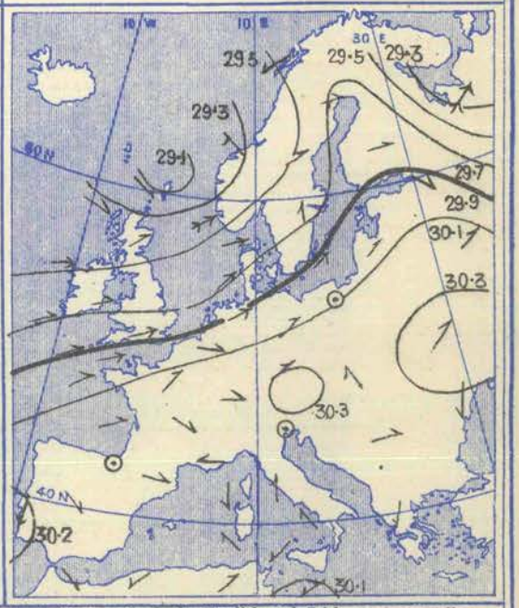
Temperature risen in the western and central countries but fallen elsewhere. Morning readings highest, 76° at Malta, 75° at Athens and 73° at Patras, above 65° at the Mediterranean and Adriatic stations generally; above 55° on our own southern coasts and touching 60° at Jersey. Lowest (1) 39° at Bodö and Hermösand, and 40° at Christiansund and Haparanda; (2) 38° at Warsaw and 41° at Cracow. Daily maxima below 55° at several of our own western stations, but thermometer exceeding 60° in the south of England and reaching 67° at Jersey. Exceeding 70° over southern Europe generally and exceeding 80° over central and southern Italy, the highest reading of all being 86° at Palermo.

Barometer and Wind.

8 a.m.



6 p.m.

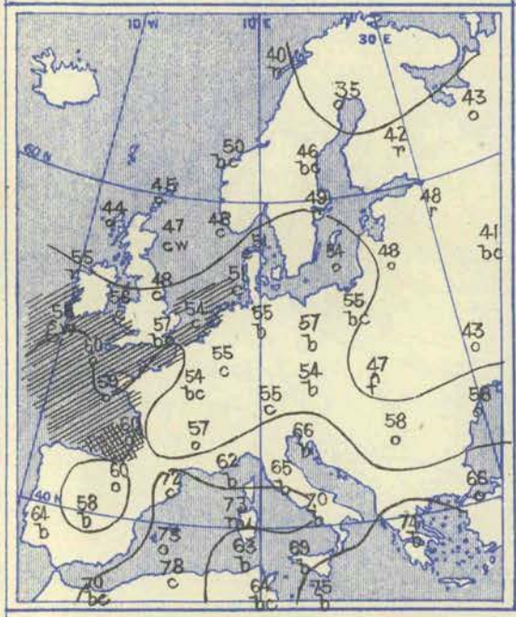


Wind fresh to strong from the South-Westward on the English and Irish coasts as well as over Denmark, the Netherlands and the north of France, and strong to a gale from the South-Eastward in the south of Norway but moderate from the Westward in the north of Scotland. Westerly or North-Westerly over Russia and strong in force in Finland; calm or variable in Austria; Northerly or North-Easterly over Italy and the Spanish Peninsula. Subsequently veering to the South-Westward in the south of Scandinavia; no important change occurring elsewhere.

Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 29·1 ins. and less in a rather deep depression with its centre a little to the westward of the Shetlands; 29·3 ins. and less in another disturbance moving eastwards across the North Sea. Both depressions moving north-eastwards later; barometer rising in most parts of the United Kingdom.

Saturday, 6th Octotber.

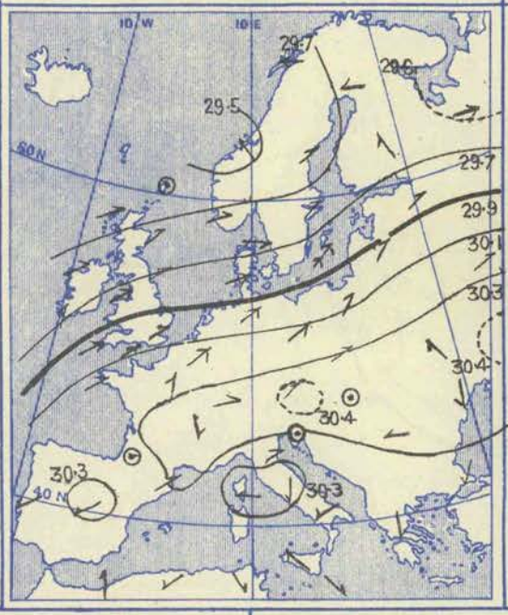
Temperature and Weather. 8 a.m.



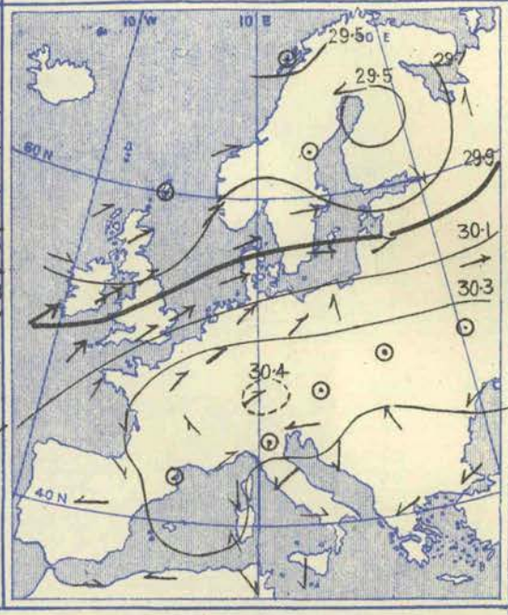
Weather in morning fine over the eastern parts of Great Britain, Denmark, Germany, the Netherlands, and the Gulf of Bothnia, and also over southern Europe, but dull elsewhere, with showers at several of our western stations, and rain over north-western Russia, lightning seen at Donaghadee. Rain falling later at nearly all our northern and western stations, as well as over Scandinavia and northern Europe.

Temperature risen in most places. Morning readings highest, 78° at Algiers, 75° at Malta, 74° at Athens and Patras, 73° at Sanguinaires and Palma, and 72° at Barcelona; above 65° in most parts of southern Europe, and exceeding 60° at several of the Channel and southern English stations. Lowest, 35° at Uleaborg, 36° at Haparanda, 40° at Bodö, 41° at Moscow, 42° at Kuopio, 43° at Archangel, and 44° at Stornoway. Rising during day to above 70° over France, and to considerably above 60° over our Islands generally. Maxima over southern Europe ranging between 84° and 71°.

Barometer and Wind. 8 a.m.



6 p.m.



Wind South-Westerly over north-western Europe generally, and blowing strongly in the English and Bristol Channels, as well as in Denmark and the south of Sweden, with a gale at Wisby, and also at Archangel. Over central and southern Europe light variable breezes prevailed. Wind veering Westward later over our Islands, and at most of the Scandinavian stations, very little change elsewhere.

Barometer highest, 30·2 ins. and upwards in a large anticyclone covering the whole of central and southern Europe. Lowest, 29·2 ins. and less in a depression lying off the north-west coast of Norway, and 29·6 ins. and less in another system over the White Sea. Depression off Norwegian coast moving eastwards later, but new depression appearing over the Gulf of Finland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶⟶ = a heavy gale ⟶⟶ = a gale; ⟶⟶ = a fresh to strong breeze; ⟶⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

Throughout nearly the whole week barometrical pressure was highest in an anticyclone embracing the greater part of eastern, central and southern Europe, and lowest in a series of depressions which skirted our own extreme western and northern coasts, and which afterwards travelled on to Scandinavia and northern Russia. The prevailing winds over north-western and northern Europe were therefore South-Westerly (Southerly to Westerly), and the weather very unsettled, with heavy rains in the west and north of our islands, and occasionally in Scandinavia also. On September 30th, however, and again on October 3rd, when some "V-shaped" secondary disturbances passed eastwards across the United Kingdom, the wind shifted temporarily to the North-Westward. The depression which appeared in our neighbourhood on October 4th was of considerable depth and occasioned gales over nearly the whole of north-western Europe,—from the South-Westward in the more southern districts, but from the South-Eastward in the north.

Over southern and eastern Europe the wind was mostly light and variable and the weather fine. An exception to this state of things occurred, however, on October 1st and 2nd, when the southern parts of France were again visited by thunderstorms and very heavy falls of rain.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 236.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	30·2	?	39	?	BRIGHTON	31·6	− 1·4	39	− 1
STRATHPEFFER SPA	26·6	+ 1·6	34	+ 3	WORTHING	34·7	?	43	?
EDINBURGH	27·4	+ 6·6	35	+ 8	BOGNOR	35·6*	?	45*	?
MORPETH	27·5	?	35	?	WATERGATE (Emsworth)	26·9	?	34	?
NEWCASTLE-ON-TYNE	19·0	?	24	?	WESTBOURNE (Emsworth)	25·3*	− 6·2	32*	− 7
OSWALDKIRK (Yorkshire)	19·7	− 4·3	25	− 5	VENTNOR HOSPITAL	31·9	?	40	?
YORK					SOUTHPORT	24·7	?	31	?
LOWESTOFT		?		?	RHYL	29·6*	?	37*	?
HOLLESLEY BAY	41·2	?	52	?	COLWYN BAY	28·6	?	36	?
SHEFFIELD	27·6	?	35	?	ABERDOVEY	17·9*	?	23*	?
WORKSOP	22·0	− 2·7	28	− 2	TENBY	28·8	− 1·5	36	− 2
THURCASTON (Leicestershire)	24·9	+ 1·6	32	+ 3	NEWQUAY	37·1	+ 6·2	46	+ 9
MARGATE	35·4	+ 7·4	44	+ 9	TORQUAY	36·1	+ 5·1	45	+ 7
EASTBOURNE	36·0	+ 2·5	45	+ 3	GUERNSEY	42·0*	+ 9·0	53*	+12

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 41.] *Third Series*

WEEK ENDING SATURDAY, OCTOBER 13TH, 1900.

[*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 242.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	63	34	52·8	41·4	46·9	0 (average)	37	− 5	2	− 3	1931	+149	648	+ 13
	1. SCOTLAND, EAST	66	33	54·4	41·6	47·8	1 above	42	− 4	1	− 5	2090	− 65	706	+ 43
	2. ENGLAND, N.E.	70	37	59·0	47·0	52·8	4 above	76	+18	0	− 2	2460	+130	518	− 34
	3. ENGLAND, EAST	75	35	63·4	46·9	54·9	5 above	90	+24	0	− 3	2916*	+228	530	− 91
	4. MIDLAND COUNTIES	72	32	60·6	45·9	53·0	4 above	77	+15	0	− 5	2745	+ 70	567	− 60
	5. ENGLAND, SOUTH	75	31	62·0	48·6	55·1	4 above	92	+19	0	− 2	3066	+149	389	− 91
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	64	35	55·0	44·7	49·7	1 above	54	0	0	− 3	2327	+ 67	506	+ 39
	7. ENGLAND, N.W.	66	39	58·1	48·4	53·1	3 above	78	+17	0	− 2	2576*	+100	452	− 10
	8. ENGLAND, S.W.	69	30	60·2	48·6	54·2	3 above	85	+17	0	− 1	2859	+134	336	− 27
	9. IRELAND, NORTH	65	36	55·2	45·6	50·3	1 above	58	+ 4	0	− 2	2432	+ 54	416	+ 18
	10. IRELAND, SOUTH	68	30	57·6	47·9	52·2	2 above	71	+ 9	0	− 2	2791	+103	373	+ 70
	—CHANNEL ISLANDS	73	42	62·6	52·7	57·5	3 above	109	+20	0	0	3472	+390	97	− 51

Rainfall.

	DISTRICTS. (See p. 242.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	25	13 more	196	+ 9	38·8	+ 2·3
	1. SCOTLAND, EAST	6	10	3 more	165	+12	26·5	+ 2·2
	2. ENGLAND, N.E.	4	8	2 more	138	− 5	22·6	+ 2·7
	3. ENGLAND, EAST	3	2	5 less	135	− 4	19·0	− 0·6
	4. MIDLAND COUNTIES	3	2	5 less	131	− 5	22·0	+ 0·2
	5. ENGLAND, SOUTH	2	1	8 less	123	− 9	19·5	− 2·0
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	24	12 more	178	+18	43·9	+ 5·3
	7. ENGLAND, N.W.	5	11	2 more	150	+ 2	28·7*	+ 2·5
	8. ENGLAND, S.W.	4	4	7 less	154	+ 5	31·2	+ 1·0
	9. IRELAND, NORTH	6	15	7 more	184	+10	29·5	+ 2·5
	10. IRELAND, SOUTH	5	14	6 more	161	+ 5	32·8	+ 3·4
	— CHANNEL ISLANDS	3	1	9 less	156	0	22·8	− 1·2

Bright Sunshine.

	DISTRICTS. (See p. 242.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	9	−10	12	−14	993	+ 29	26	+ 1
	1. SCOTLAND, EAST	13	− 8	18	−10	1055	− 94	28	− 2
	2. ENGLAND, N.E.	19	− 1	25	− 2	1098	− 49	29	− 1
	3. ENGLAND, EAST	42	+13	55	+17	1520*	+ 87	39	+ 3
	4. MIDLAND COUNTIES	31	+ 8	41	+12	1266	+ 88	35	+ 2
	5. ENGLAND, SOUTH	36	+ 9	48	+12	1586	+136	42	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	14	− 8	18	−12	1191	− 27	32	0
	7. ENGLAND, N.W.	19	− 4	25	− 6	1369	+113	35	+ 3
	8. ENGLAND, S.W.	28	+ 1	36	+ 1	1567	+ 89	42	+ 2
	9. IRELAND, NORTH	15	− 7	20	− 9	1191	+ 73	32	+ 2
	10. IRELAND, SOUTH	21	− 5	28	− 5	1307	+ 36	35	+ 1
	— CHANNEL ISLANDS	34	+ 3	45	+ 5	1779	+144	50	+ 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was generally fine over the more south-eastern and southern counties of England, but unsettled in Ireland, Scotland, and the north and west of England, with frequent and sometimes heavy rain. At the end of the week showers of hail and sleet were experienced at some of the Scotch stations.

Temperature was just equal to the mean in Scotland N., but above it in all other districts, the excess in England E. amounting to 5°. The highest of the maxima were registered on the 7th in Ireland, and on the 8th over Great Britain; they ranged from 75° in England S. and E., and 73° in the Channel Islands, to 64° in Scotland W., and to 63° in Scotland N. The lowest of the minima occurred either on the 11th or 12th, and varied from 30° in England S.W. and Ireland S., and 31° in England S., to 39° in England N.W., and to 42° in the Channel Islands.

Rainfall was much less than the mean in most of the English districts, but exceeded it in Ireland, Scotland and the northern parts of England; over Ireland and the north and west of Scotland the excess was large.

Bright Sunshine was deficient over the greater part of the Kingdom, but considerably more than the mean over all the southern, central and eastern parts of England. The percentage of the possible duration ranged from 55 in England E., 48 in England S., and 45 in the Channel Islands, to 25 in England N.E. and N.W., 20 in Ireland N., 18 in Scotland E. and W., and to 12 in Scotland N.

Barometer and Wind.—At the commencement of the week a rather deep depression was skirting our north-west coasts, occasioning strong South-Westerly winds or gales over Ireland, Scotland and the west of England, and moderate Westerly to Southerly winds elsewhere. This system soon passed away and an anticyclone spread over our more southern districts. During Tuesday a shallow "V"-shaped system passed quickly eastwards over Ireland and England, the wind in its rear shifting to the North-Westward. During the latter part of the week large and deep depressions moving eastwards or north-eastwards skirted our north-western and northern coasts and produced strong South-Westerly to Westerly winds over all our more northern and north-western districts, a gale in places and an increasing South-Westerly to Westerly current in the southern and south-eastern regions.

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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 241 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	55	38	50·6	40·9	45·6	− 1·1	30	3	6	1·89	+ 0·97	*	*	*	*
	Stornoway	57	36	52·1	39·3	45·5	− 1·1	36	8	6	1·75	+ 0·64	10·7	− 9·8	14	−13
	Wick	57	35	53·6	41·9	47·6	+ 0·7	40	0	5	0·54	− 0·10	*	*	*	*
	Lairg Ⓢ	58	34	53·2	38·7	45·7	+ 0·4	40	9	5	1·63	+ 0·75	*	*	*	*
	Glencarron Ⓢ	58	35	52·3	42·3	47·2	+ 1·2	36	0	5	4·74	+ 2·77	*	*	*	*
	Fort Augustus Ⓢ	60	36	53·8	42·1	47·8	0·0	41	0	6	2·29	+ 1·32	8·1	− 6.5	11	− 8
	Fort William Ⓢ	63	40	54·2	44·5	49·2	+ 0·9	50	0	7	4·60	+ 2·83	5·9	−13·5	8	−17
1. SCOTLAND, E.	Nairn	59	35	54·1	38·6	46·1	− 1·2	43	10	6	1·22	+ 0·60	*	*	*	*
	Aberdeen	59	39	54·4	43·4	48·7	+ 0·6	47	0	5	0·21	− 0·51	13·0	− 9·8	18	−13
	Braemar Ⓢ	58	33	51·1	39·8	45·3	+ 0·9	32	6	5	0·93	+ 0·13	11·2†	− 8·4†	15†	−10†
	Ochtertyre Ⓢ	59	34	55·9	41·0	48·2	+ 0·6	48	3	6	1·19	+ 0·26	*	*	*	*
	Leith	66	42	56·4	45·1	50·6	+ 1·2	60	0	5	1·19	+ 0·69	*	*	*	*
	Marchmont Ⓢ	59	36	54·6	41·6	47·9	+ 1·1	43	1	7	1·32	+ 0·52	15·5	− 5·3	21	− 6
2. ENGLAND, N.E.	Alnwick Castle	66	40	57·1	46·0	51·4	+ 3·5	66	0	4	1·00	+ 0·27	*	*	*	*
	Durham	65	37	58·0	45·0	51·3	+ 3·0	65	0	3	1·33	+ 0·65	19·6	− 2·4	26	− 2
	Shields	65	40	57·6	46·3	51·8	+ 2·8	69	0	4	1·09	+ 0·51	*	*	*	*
	Scarborough Ⓜ	69	38	61·4	48·0	54·5	+ 4·6	88	0	4	0·59	− 0·13	18·9	?	25	?
	Spurn Head	70	45	61·0	49·4	55·0	+ 4·1	91	0	3	0·12	− 0·41	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	73	37	63·4	44·4	53·6	+ 3·8	81	0	3	0·26	− 0·39	31·9	+ 7·6	42	+10
	Yarmouth	74	39	62·3	48·6	55·2	+ 4·3	93	0	3	0·20	− 0·52	*	*	*	*
	Geldeston	75	37	64·6	45·4	54·7	+ 3·9	89	0	4	0·17	− 0·48	37·6	+ 9·4	49	+12
	Cambridge	75	35	65·6	44·8	54·9	+ 4·9	90	0	2	0·11	− 0·44	42·3	+16·2	56	+22
	Felixstowe	70	44	62·7	52·6	57·5	+ 6·7	109	0	2	0·05	?	51·8†	?	68†	?
	Rothamsted	70	35	61·8	45·3	53·3	+ 4·0	79	0	2	0·18	− 0·52	43·4	+17·0	57	+23
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	69	37	60·3	45·7	52·8	+ 3·9	76	0	3	0·16	− 0·48	*	*	*	*
	Loughborough	72	34	61·9	45·0	53·2	+ 3·4	78	0	2	0·25	− 0·39	*	*	*	*
	Cheadle Ⓜ	65	39	58·5	45·4	51·8	+ 3·5	69	0	3	0·49	− 0·23	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	67	40	60·9	47·6	54·1	+ 5·8	85	0	2	0·24	− 0·41	30·1	?	40	?
	Churchstoke Ⓜ	66	35	58·9	44·0	51·2	+ 3·1	64	0	2	0·40	− 0·38	27·0	+ 4·5	36	+ 6
	Hereford (Belmont) Ⓜ	67	33	61·0	46·2	53·4	+ 4·1	80	0	4	0·14	− 0·52	*	*	*	*
	Cirencester	68	32	60·3	45·1	52·5	+ 3·8	74	0	3	0·12	− 0·62	36·3	+12·9	48	+17
	Oxford	72	37	62·6	47·9	55·0	+ 5·0	91	0	1	0·03	− 0·63	40·7	+15·7	54	+21
5. ENGLAND, S.	London	75	39	64·1	47·9	55·8	+ 5·0	97	0	2	0·03	− 0·60	35·8†	+16·4†	47†	+20†
	Swarraton (Alresford) Ⓜ	68	31	61·1	43·9	52·3	+ 2·1	72	0	2	0·08	?	*	*	*	*
	Dungeness	68	38	62·6	50·7	56·5	+ 3·9	102	0	1	0·02	− 0·75	37·0	?	49	?
	Hastings (St. Leonards)	68	43	62·1	50·1	55·9	+ 3·5	97	0	2	0·11	− 0·77	41·1	+10·8	54	+14
	Southampton	68	38	63·9	47·6	55·5	+ 3·5	95	0	2	0·04	− 0·76	31·9	+ 4·9	42	+ 5
	Portland Bill	63	43	60·1	52·0	55·9	+ 3·2	97	0	2	0·02	?	*	*	*	*
	Shaftesbury Ⓜ	65	39	59·8	47·9	53·7	+ 4·7	82	0	4	0·06	− 0·84	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	60	36	54·3	44·0	49·0	+ 0·5	49	0	7	4·16	+ 2·37	*	*	*	*
	Glasgow	60	38	53·8	44·8	49·2	+ 1·6	50	0	7	1·66	+ 0·81	8·7	− 7·3	12	−12
	Glenlee Ⓢ	60	38	55·7	43·8	49·6	+ 1·7	53	0	7	2·53	+ 1·25	*	*	*	*
	Douglas (Isle of Man)	64	35	56·1	46·3	51·1	+ 1·7	64	0	6	1·18	+ 0·23	18·3	− 8·8	24	−12
7. ENGLAND, N.W.	Newton Reigny	63	39	56·6	42·6	49·4	+ 1·8	52	0	4	1·61	?	15·4	?	21	?
	Stonyhurst	63	39	56·5	47·5	51·9	+ 3·2	69	0	5	1·51	+ 0·35	16·8	− 6·2	22	− 8
	Blackpool Ⓜ	64	47	58·9	50·7	54·7	+ 4·7	89	0	6	1·50	+ 0·53	15·9	− 6·6	21	− 9
	Manchester (Prestwich)	66	40	59·5	48·1	53·6	+ 5·7	81	0	4	0·50	− 0·46	13·1	?	17	?
	Liverpool Obsy. (Bidston)	66	44	59·0	49·9	54·3	+ 3·9	86	0	6	0·45	− 0·39	13·1	?	17	?
	Llandudno Ⓜ	66	43	59·2	49·7	54·3	+ 2·6	86	0	6	1·15	+ 0·27	20·4	+ 0·4	27	0
	Holyhead	62	44	56·7	50·4	53·5	+ 1·5	81	0	4	1·18	+ 0·26	*	*	*	*
8. ENGLAND, S.W.	Llandovery	66	32	59·9	46·0	52·7	+ 4·1	75	0	7	0·87	− 0·35	*	*	*	*
	Pembroke	61	47	57·4	52·0	54·6	+ 2·2	88	0	4	0·31	− 0·61	15·2	− 12·8	20	−16
	Clifton	68	40	61·6	49·7	55·5	+ 5·1	95	0	3	0·24	− 0·62	*	*	*	*
	Arlington (N. Devon)	65	34	59·1	45·9	52·3	+ 2·3	72	0	5	0·69	− 0·61	*	*	*	*
	Cullompton Ⓜ	69	30	62·8	45·5	53·9	+ 3·6	83	0	3	0·10	− 0·80	40·6	+16·9	53	+22
	Falmouth	64	42	59·6	50·7	55·0	+ 2·1	91	0	5	0·23	− 0·97	35·0	+ 6·0	46	+ 9
	Plymouth	64	37	60·9	50·1	55·4	+ 3·0	94	0	3	0·11	− 0·81	25·6	− 0·6	34	− 2
9. IRELAND, N.	Malin Head	60	46	54·0	48·6	51·1	+ 1·3	64	0	7	?	?	*	*	*	*
	Londonderry	61	39	55·3	43·7	49·3	+ 0·2	51	0	6	1·26	+ 0·31	*	*	*	*
	Edenfel (Omagh)	62	36	53·9	44·1	48·9	+ 2·1	48	0	7	1·50	+ 0·65	*	*	*	*
	Blacksod Point	60	46	55·7	47·6	51·5	+ 1·0	67	0	6	2·37	?	*	*	*	*
	Markree Castle	62	37	56·6	44·6	50·4	+ 2·0	59	0	6	1·10	+ 0·12	12·5	− 8·7	16	−12
	Armagh	65	40	55·9	44·9	50·2	+ 2·2	57	0	6	1·34	+ 0·67	17·5	− 5·5	23	− 7
	Donaghadee	62	39	55·1	45·9	50·4	+ 0·6	59	0	7	1·40	+ 0·71	*	*	*	*
10. IRELAND, S.	Dublin	66	38	58·3	47·9	53·0	+ 2·6	77	0	4	1·12	+ 0·50	27·0	0·0	36	0
	Parsonstown	64	34	56·3	44·1	50·0	+ 1·7	56	0	6	1·25	+ 0·51	19·4	− 5·1	26	− 5
	Kilkenny	63	30	57·9	45·9	51·7	+ 1·9	68	0	4	0·89	+ 0·24	*	*	*	*
	Roche's Point	61	40	57·6	49·7	53·5	+ 1·7	81	0	3	0·67	− 0·21	*	*	*	*
	Valencia	63	36	57·9	47·7	52·7	+ 0·3	75	0	6	1·31	+ 0·19	17·3	− 8·1	23	− 10
	Killarney	64	34	57·8	45·9	51·7	+ 0·9	68	0	6	3·07	?	*	*	*	*
	Foynes	68	39	57·4	48·0	52·6	+ 2·8	74	0	5	1·52	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	66	47	61·6	53·1	57·2	+ 3·1	106	0	3	0·10	− 0·79	34·7	?	46	?
	Jersey	73	42	63·6	52·3	57·8	+ 2·9	111	0	3	0·10	− 0·90	31·9	+ 0·3	41	0

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

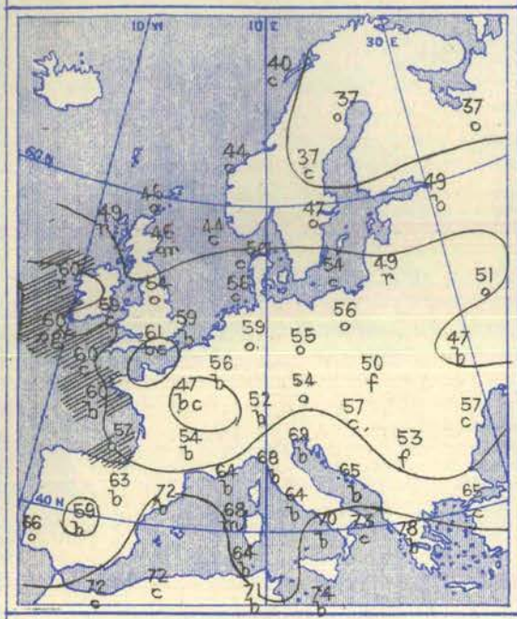
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

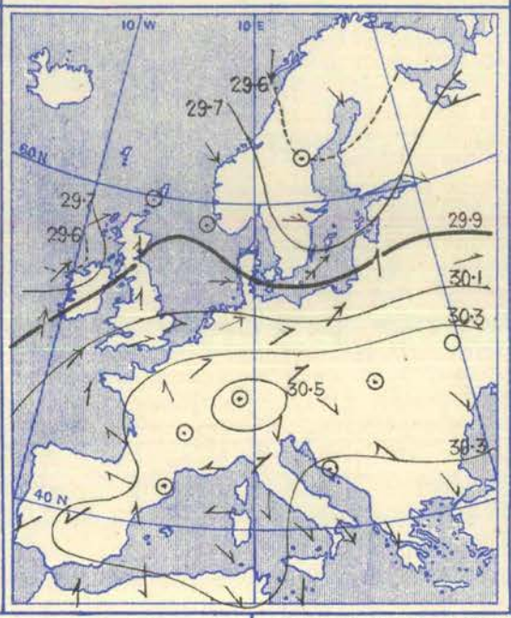
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 7th October.

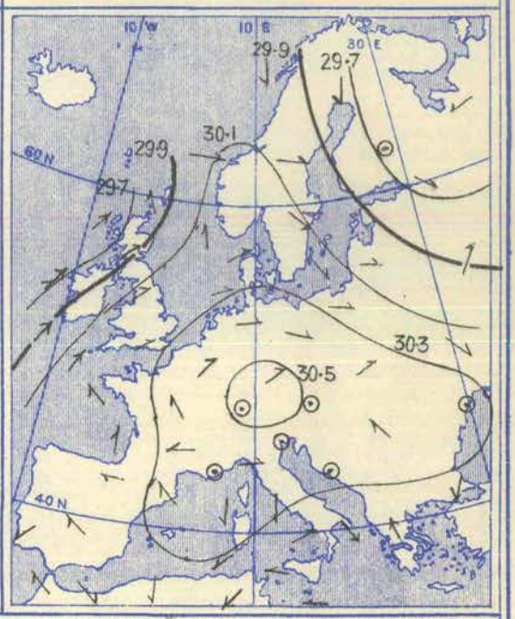
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m



Weather in morning dull in Ireland, Scotland, and the north of England, with rain in several places. Fair or fine in the eastern, central, and southern parts of England, and also over the western and southern parts of the Continent generally—cloudy or dull over northern and central Europe, with rain at Uleaborg and Riga. Rain falling later in Scandinavia, Denmark, and northern Russia; no important change occurring elsewhere.

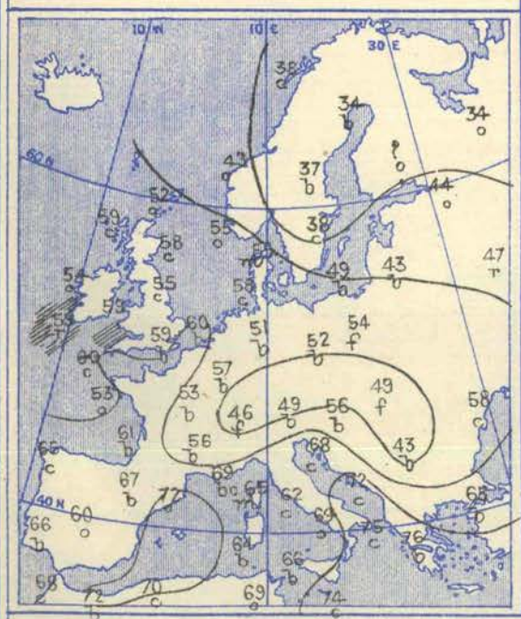
Temperature risen in our Islands, fallen in France, south Germany, and northern Italy, changed irregularly elsewhere. Morning readings highest, 78° at Patras, 74° at Malta, and 73° at Oporto and Brindisi; above 65° at most of the Mediterranean, Adriatic, and Spanish coast stations, and slightly above 60° in Holland, the south-east of England, and central Ireland. Lowest, 37° at Haparanda, Hernösand and Archangel, and 40° at Bodö; below 50° over central France. Rising during day to 65° and upwards in many parts of Great Britain, and to 69° in London; exceeding 70° in France, and exceeding 80° in several parts of southern Europe, the highest reading reported being 84° at Palermo.

Wind Southerly or South-Westerly over the United Kingdom, and the neighbouring parts of the Continent, and strong in force at many of our western stations. Light from the Eastward over the greater part of France, and from the North-Eastward in Spain; variable over Italy, Austria, and the south of Russia. North-Westerly or Northerly in Norway; strong from the Westward in Denmark and north Germany, and from the South-Westward over the Baltic, with a gale at Wisby; variable over northern Russia. Subsequently increasing to a gale from the Southward or South-Westward over many parts of our own western coasts.

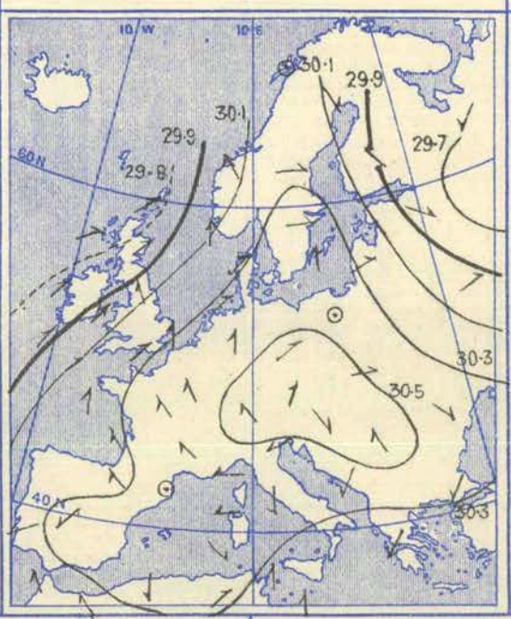
Barometer highest, 30·5 ins. and upwards over south Germany, 30·1 ins. and upwards in an anticyclone covering the whole of central and southern Europe, and extending over the greater part of England. Lowest, 29·6 ins. and less in a rather deep depression lying off our own extreme north-west coasts, and also in a shallower disturbance over the northern parts of Finland and Scandinavia. Anticyclone subsequently spreading northwards over Norway, and depression over Scandinavia moving eastwards; disturbance off our own north-west coasts passing northwards.

Monday, 8th October.

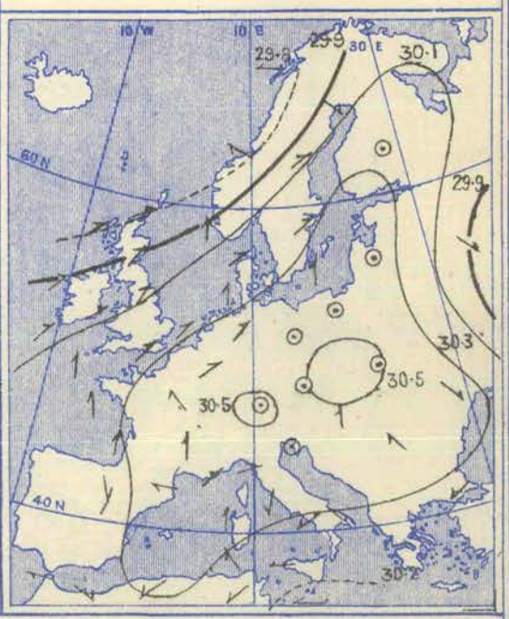
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England, France, the Netherlands, Germany and Austria, as well as at most of the Swedish stations. Cloudy or dull in most other countries; rain falling in the south of Ireland, and also at Leith, Faerder, Karlstad and Moscow. Rain falling later in the west and north of our Islands generally, as well as in Scandinavia and isolated parts of Russia and Germany.

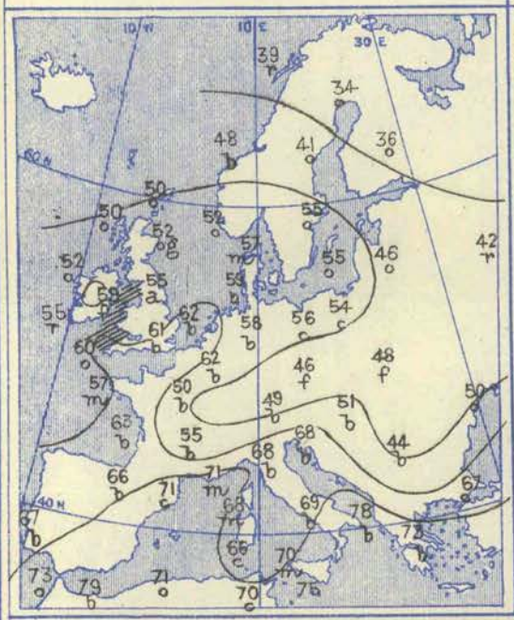
Temperature risen in Scotland and also in France and Denmark, fallen elsewhere. Morning readings highest, 76° at Patras, 75° at Brindisi and Athens, and 74° at Malta; above 65° over southern Europe generally; above 60° in the eastern and southern parts of the English Channel, and touching that point at Leith and Yarmouth. Lowest, 34° at Archangel and Haparanda, 37° at Uleaborg and Hernösand, and 38° at Bodö, Stockholm and Karlstad. Rising during day to 70° and upwards at several of the English stations, and to 75° in London; reaching 80° at Paris and exceeding that point in some parts of southern Europe, the highest readings reported being 88° at Bilbao, and 86° at Biarritz.

Wind light from the Eastward or South-Eastward in France; moderate to fresh from the Southward or South-Westward over our Islands, and also in Denmark; strong from South or South-East in the west of Norway. Westerly or North-Westerly in Sweden and Russia; variable in Germany, Austria and Italy; North-Easterly over the Spanish Peninsula. Subsequently backing to the South-Westward or Southward in Sweden; no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards in Germany and Austria; 30·3 ins. and upwards in an anticyclone embracing the whole of central and southern Europe. Lowest, 29·7 ins. and less in a depression over northern Russia; 29·8 ins. and less in another disturbance lying to the northward and north-westward of our Islands. Russian depression subsequently moving south-eastwards; disturbance off our own coast travelling away to the northward.

Tuesday, 9th October.

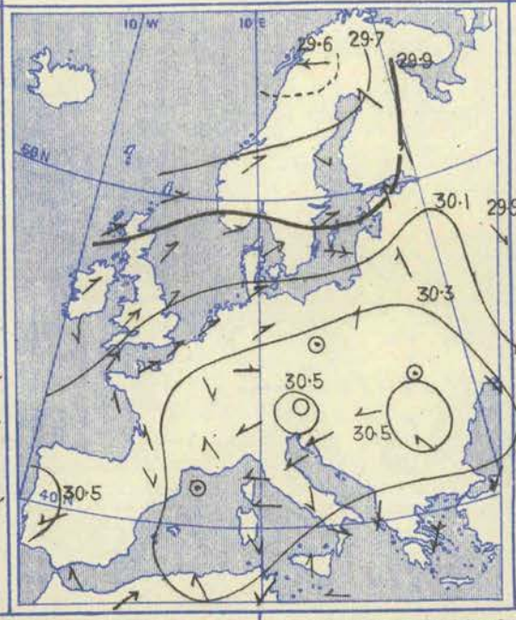
Temperature and Weather. 8 a.m.



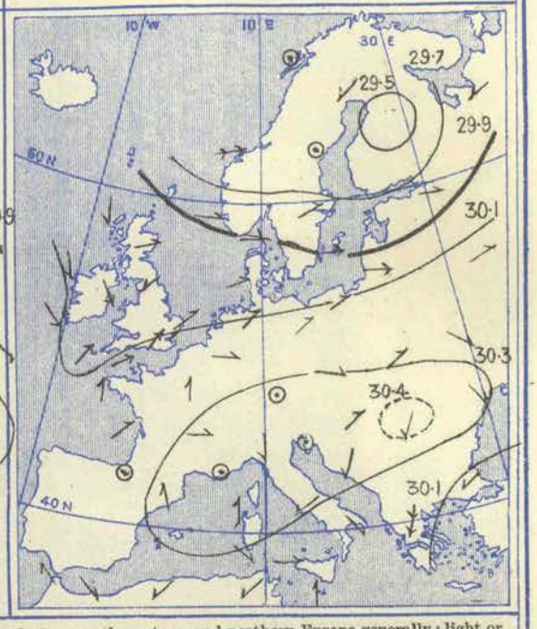
Weather in morning fine over eastern, central, and southern England, and also over the western central and southern parts of the Continent, but with fog at some of the English and German stations. Cloudy or dull elsewhere, with rain in Ireland, and the south of Scotland, as well as at Bodö, Hangö, and Moscow. Rain falling later in most parts of north-western and northern Europe; heavily on our own north-east coasts.

Temperature fallen in Ireland and Scotland, and also in Germany and Austria, risen in most other countries. Morning readings highest, 79° at Nemours, 78° at Brindisi, and 75° at Malta; above 65° over southern Europe generally, and above 60° in the Netherlands, and the east and south-east of England. Lowest, 34° at Uleaborg, 36° at Kuopio, and 39° at Bodö; below 50° in Austria and south Germany. Rising during day to 70° and upwards at many of the English stations, and to 74° in London and at Yarmouth. Exceeding 75° in several parts of France, and exceeding 80° in many parts of southern Europe, the highest reading reported being 84° at Croisette, Sanguinaire and Cagliari.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

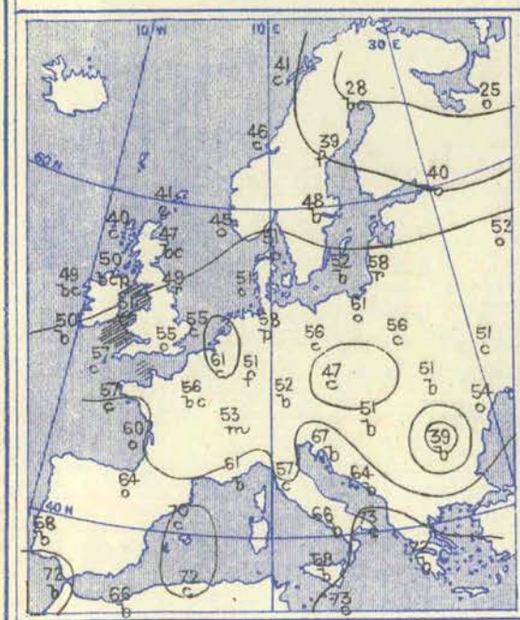


Wind South-Westerly or Southerly over north-western and northern Europe generally; light or moderate in force in most places, but strong in the St. George's Channel. Light from the Westward in the north of Scotland, and from the Northward at Valencia (Ireland). Easterly or South-Easterly over France and the Spanish Peninsula; calm or variable in Germany, Austria, and Italy. Subsequently shifting to the North-Westward or Northward, on many parts of our own western and northern coasts, and to the South-Westward in the west of France.

Barometer highest, 30·5 ins. and upwards in some parts of Austria and south Germany, 30·3 ins. and upwards in an anticyclone embracing the whole of central and southern Europe. Lowest, 29·6 ins. and less in a depression off the northern part of the Norwegian coasts; 29·9 ins. and less in another disturbance over central Russia, 30·0 ins. and less in a small system over the south of Ireland. Irish depression subsequently developing into a "V shaped" system, and moving eastwards across Great Britain.

Wednesday, 10th October.

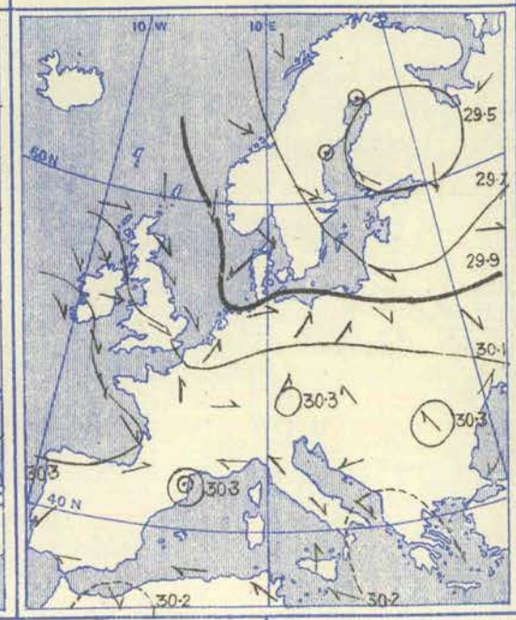
Temperature and Weather. 8 a.m.



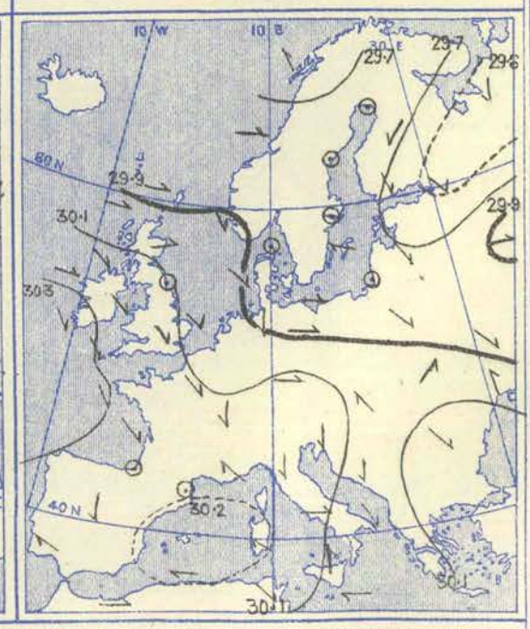
Weather in morning cloudy or dull over England and all the more central parts of the continent; rain falling in the north-east of England and also at the Helder and Copenhagen. Fine in most other parts of Europe, but dull in many parts of Scotland, as well as in the west of France and at many of the Russian stations. Sky clearing later over England, but rain falling in Scandinavia, Denmark, Germany and the Netherlands.

Temperature fallen in our Islands as well as in Scandinavia, Denmark, and most parts of southern Europe; risen elsewhere. Morning readings highest, 73° at Brindisi and Malta, and 72° at Patras, San Fernando, and Algiers; above 65° over southern Europe generally. Lowest, 25° at Archangel, 28° at Haparanda, and 32° at Uleaborg; lowest in our Islands, 40° at Stornoway and 41° at Sumburgh Head. Daily maxima below 55° at most of our northern stations, and below 60° on all but our extreme southern coasts; thermometer exceeding 70° in France and Germany, and exceeding 80° in several parts of southern Europe, the highest reading reported being 86° at Croisette.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

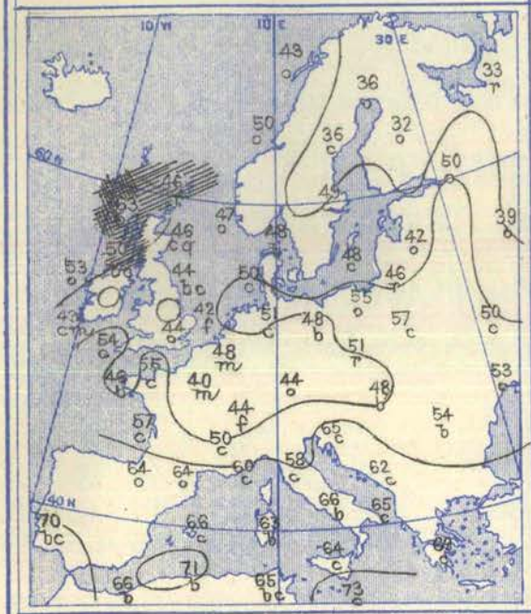


Wind light to fresh from the North-Westward in our Islands and the north and west of France, as well as at many of the Scandinavian stations, but calm in the Gulf of Bothnia. Light to moderate from the South-Westward over the Netherlands and Germany; calm or variable in Austria and also in the extreme south of France; Northerly or North-Westerly in Italy; Easterly or North-Easterly over the Spanish Peninsula. Subsequently backing to the Westward on our own northern coasts; no important change occurring elsewhere.

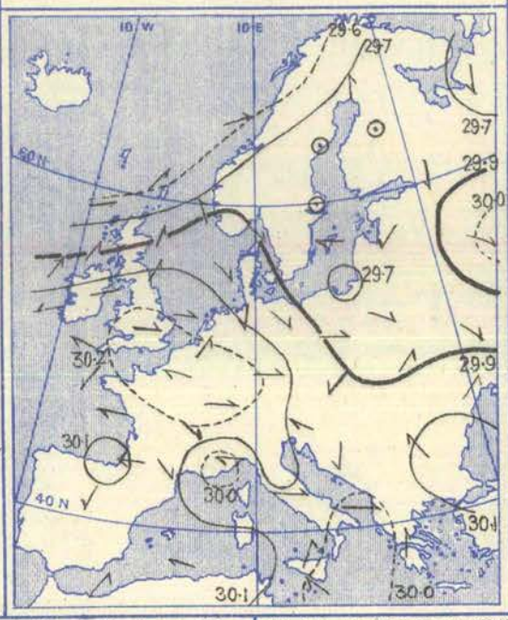
Barometer highest, 30·3 ins. and upwards in an area lying to the south-westward of our Islands and also in three smaller areas lying over various parts of southern Europe, 30·1 ins. and upwards in an anticyclone embracing the west and south of our Islands and the whole of southern Europe. Lowest, 29·5 ins. and less in a depression over Finland. Depression subsequently moving eastwards, but new disturbances approaching our northern coasts.

Thursday, 11th October.

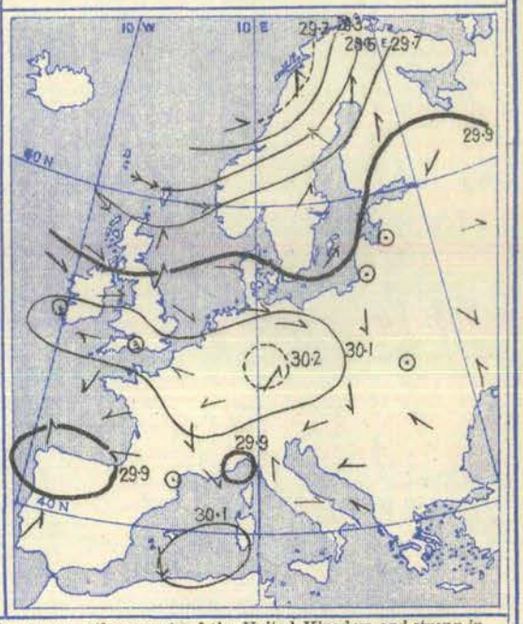
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over England, Ireland and the greater part of the Continent, but misty or foggy over central France and dull in Spain; dull in Scotland and Norway, with rain in the Shetlands; foggy at some of the Swedish stations; dull over northern Russia and the Baltic, with rain at Memel and Swinemunde. Rain falling later over all the more northern parts of our Islands; lightning seen at Christiansund and also at Biarritz.

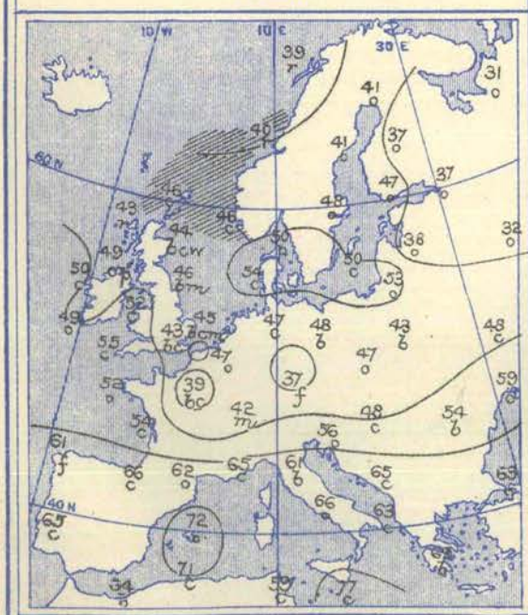
Temperature risen in Scotland and Norway, but fallen in most other countries. Morning readings highest, 77° at San Fernando; 73° at Malta and 71° at Oran and Algiers; above 60° over southern Europe generally. Lowest, 32° at Uleaborg and Kuopio, and 33° at Archangel; below 40° over the northern parts of Sweden and Russia generally, and also in the central parts of England and Ireland. Daily maxima below 55° at several of our own western and northern stations, and below 60° in most other parts of the kingdom; thermometer reaching 75° or more over southern Europe as a whole and touching 82° at Sanguinaire and Cagliari.

Wind South-Westerly over all the more northern parts of the United Kingdom and strong in force in the Hebrides; Southerly in the west of Norway. Light from the Eastward over the greater part of France and our own extreme south and south-west coasts. Calm or light from the northward over central Sweden and the north of Russia; North-Westerly or Westerly in Denmark or Germany; variable in Austria. Subsequently veering to the North-Westward on our own extreme north and north-west coasts; increasing to a gale from West in the south of Norway.

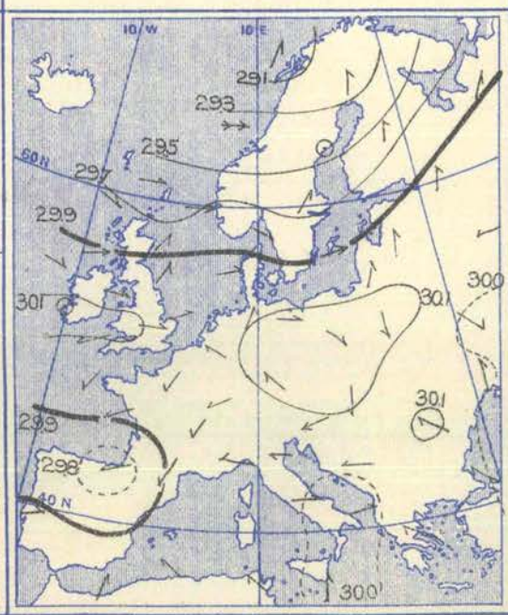
Barometer highest, 30·1 ins. to 30·2 ins. and upwards in an anticyclone lying over Ireland, England, France and the Spanish Peninsula. Lowest, 29·6 ins. and less in a large depression lying to the northward of our islands; 29·7 ins. and less in a shallow disturbance over northern Russia, and also in a small system over the Baltic provinces. Depression off our own northern coasts subsequently moving north-eastwards, and barometer rising in Scotland.

Friday, 12th October.

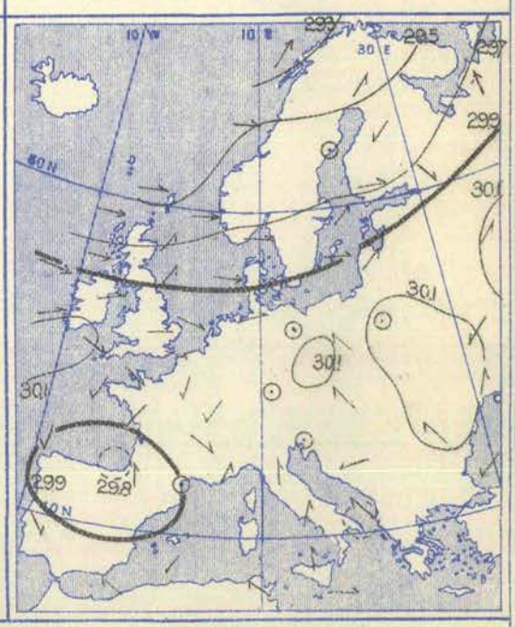
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and fine over western and central Europe generally, but showery on our own extreme north-west coasts. Dull in the northern and eastern countries, with rain in the west of Norway; cloudy and dull also in most parts of Spain and Italy. Rain falling later in the west and north of our Islands, and also in Italy and the south of France; thunderstorms occurring at Nice and Biarritz.

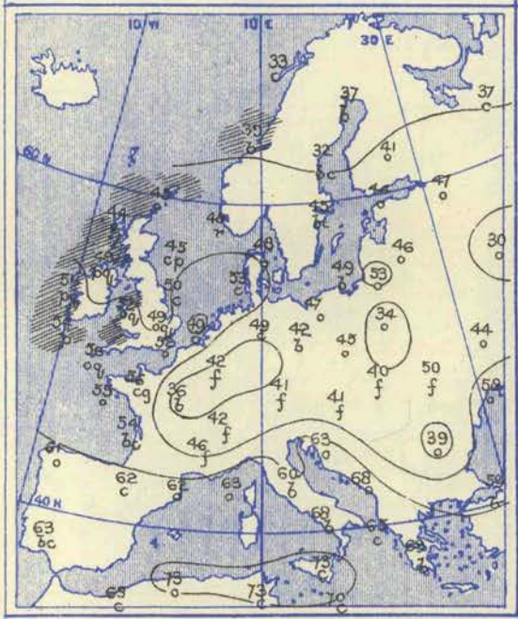
Temperature risen over England and Ireland and also in Denmark and Sweden; fallen elsewhere. Morning readings highest, 72° at Palma, 71° at Algiers, and 69° at Patras; above 65° in many parts of southern Europe. Lowest, (1) 31° at Archangel, 32° at Moscow, and 37° at Kuopio and St. Petersburg; (2) 37° at Frankfurt and Munich. Daily maxima below 50° in the north of Scotland and below 55° at our western and northern stations generally. Thermometer exceeding 70° over southern Europe and exceeding 80° in some parts of Italy, the highest reading recorded being 82° at Cagliari.

Wind Westerly or South-Westerly over our Islands and also in Scandinavia and Denmark; light to fresh in force in most places, but strong to a gale in the west of Norway. Light from the Northward at the English Channel stations and from the North-Eastward or Eastward in France. Variable over Germany, Austria and the south of Russia, light from the Westward over the southern parts of Spain and Italy. No important change occurring during day.

Barometer highest, 30·1 ins. and upwards in two areas, one lying over Germany and the other over the south of Ireland and the south-west of England. Lowest, 29·1 ins. and less in a depression with its centre off the coasts of Finmark; 29·3 ins. and less in a shallow disturbance off the north-east of Spain. Both depressions moving northwards later; new disturbance approaching the north of Scotland in evening.

Saturday, 13th October.

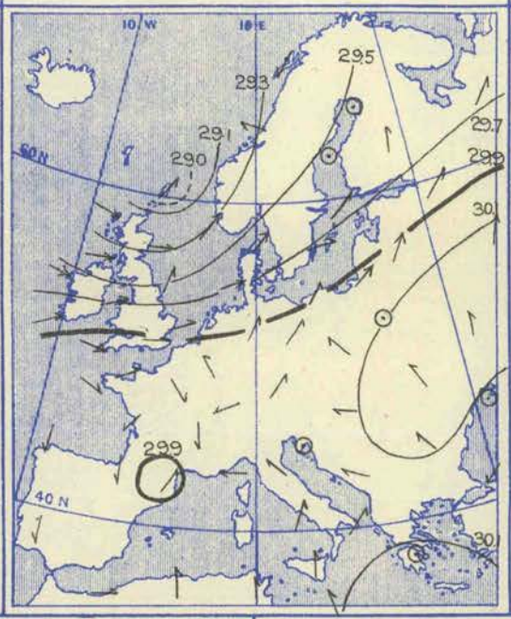
Temperature and Weather. 8 a.m.



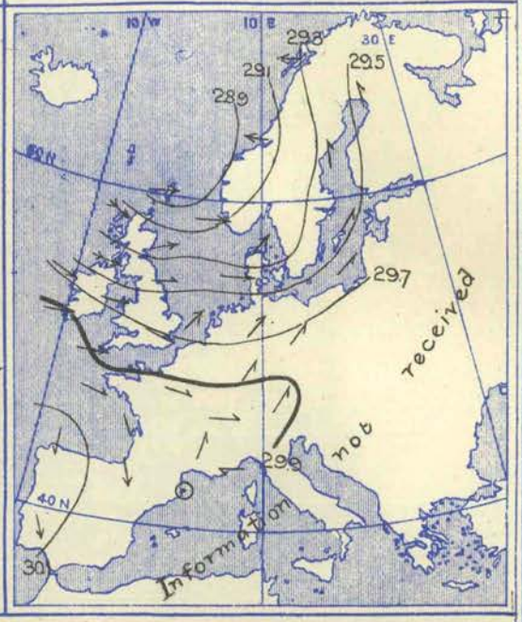
Weather in morning cloudy or dull generally, with rain in several parts of the United Kingdom and at Skudesnæs, thunder at Sanguinaires, and fog over central Europe. Fine and bright at many of the Scandinavian stations, as well as in some parts of southern and south-eastern Europe. Hail and sleet in Scotland later, and rain in the countries lying to the eastward of the North Sea.

Temperature highest, 73° at Tunis, Algiers and Palermo, and between 65° and 70° over the Mediterranean generally. Lowest, 30° at Moscow, 31° at Uleaborg, 32° at Hernösand, 33° at Bödo, 34° at Warsaw, and 35° at Frankfort. Below 45° in most parts of Scotland and the northern parts of central France, and only 36° at Paris. Rising later to 59° on our own south and south-east coasts, and to between 70° and 74° in the south of France.

Barometer and Wind. 8 a.m.



6 p.m.



Wind strong from West or South-West over the United Kingdom, the North Sea, Scandinavia and the Baltic, light and rather variable over the greater part of Russia and south-eastern Europe, Southerly to Easterly over Italy and the south of France, and Northerly over the Bay of Biscay and Spain. Veering to the North-Westward later over the United Kingdom, and increasing to a gale at many of our western and northern stations. A Westerly gale also setting in over Denmark.

Barometer highest, 30·1 ins. and more (1) over central Russia and Hungary, (2) over the Grecian Archipelago. Lowest, 29·0 ins. and less to the northward of Scotland, and below 29·7 ins. over the northern half of the United Kingdom, Finland, and northern Russia; 29·9 ins. and less over the south-west of France and north-east of Spain, and also in a small area over western Algeria. Northern depression moving eastwards and increasing in depth later, but barometer rising in Ireland and the west of Scotland.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the greater part of the week a large anticyclone existed over central, southern and eastern Europe, the winds in these regions being therefore light and variable and the weather fine. A slight interruption to this state of affairs occurred however on the 11th and 12th, when a shallow depression appeared over the north of Spain, and occasioned rain in that locality as well as in the south of France.

Over the western and northern parts of our Islands and northern Europe generally, the weather was affected by a series of large depressions, which skirted our own extreme north-western and northern coasts, their centres afterwards moving across the northern parts of Scandinavia. These disturbances brought frequent rain to most districts, with mild South-Westerly winds, the temperatures registered over England on the 8th and 9th being unusually high for the time of year. The depression which moved along our northern coasts on the 13th was of considerable depth, and in its rear the wind rose to a gale from the North-Westward in Scotland and the north of Ireland with a divided fall of temperature. On the 10th and 11th a small anticyclone drifted across our Islands from the westward, a portion of this ultimately joining the continental high pressure system, while the other portion moved southward and dispersed.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 242.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	8·2	?	11	?	BRIGHTON	28·8	− 1·0	38	− 1
STRATHPEFFER SPA	10·9	−12·3	15	−16	WORTHING	37·7	?	50	?
EDINBURGH					BOGNOR	39·7*	?	52*	?
MORPETH	24·2	?	32	?	WATERGATE (Emsworth)	35·8	?	47	?
NEWCASTLE-ON-TYNE	13·6	?	18	?	WESTBOURNE (Emsworth)	40·9*	+12·1	54*	+17
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	32·1	?	42	?
YORK					SOUTHPORT	20·7	?	27	?
LOWESTOFT	38.3	?	50	?	RHYL	*	?	*	?
HOLLESLEY BAY	46·6	?	61	?	COLWYN BAY	31·0	?	41	?
SHEFFIELD	29·4	?	39	?	ABERDOVEY	20·9*	?	28*	?
WORKSOP	20·2	− 2·3	27	− 1	TENBY	16·9	−11·1	22	− 14
THURCASTON (Leicestershire)	32·6	+10·9	43	+15	NEWQUAY				
MARGATE	38·7	+12·7	51	+17	TORQUAY	32·8	+ 4·6	43	+ 7
EASTBOURNE	37·3	+ 6·6	49	+ 9	GUERNSEY	36·6*	+ 6·6	48*	+10

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 42.] *Third Series*

WEEK ENDING SATURDAY, OCTOBER 20TH, 1900.

[*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 248.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	66	26	49·5	37·1	43·1	2 below	28	− 7	14	+ 6	1959	+142	662	+ 19
	1. SCOTLAND, EAST	61	24	49·6	36·8	43·0	3 below	29	−11	15	+ 6	2119	− 76	721	+ 49
	2. ENGLAND, N.E.	62	28	51·3	39·6	45·3	2 below	33	−12	7	+ 3	2493	+118	525	− 21
	3. ENGLAND, EAST	63	32	53·9	40·4	47·0	2 below	42	−11	4	− 1	2958	+217	534	− 92
	4. MIDLAND COUNTIES	63	31	52·4	39·4	45·7	2 below	37	−11	7	− 1	2782	+ 59	574	− 61
	5. ENGLAND, SOUTH	65	35	55·3	42·8	48·9	1 below	48	−12	0	− 4	3114	+137	389	− 95
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	58	25	50·7	39·3	44·8	2 below	31	−14	8	+ 2	2358	+ 53	514	+ 41
	7. ENGLAND, N.W.	58	26	52·4	41·6	46·9	1 below	36	−13	1	− 2	2612	+ 87	453	− 12
	8. ENGLAND, S.W.	61	32	55·5	43·6	49·4	0 (average)	52	− 6	0	− 2	2911	+128	336	− 29
	9. IRELAND, NORTH	58	28	52·9	39·1	45·8	2 below	32	− 8	8	+ 4	2471	+ 46	424	+ 22
	10. IRELAND, SOUTH	59	30	55·3	41·5	48·2	1 below	46	− 8	1	− 3	2837	+ 95	374	+ 67
	—CHANNEL ISLANDS	63	47	58·1	50·6	54·3	1 above	86	+ 8	0	0	3558	+398	97	− 51

Rainfall.

	DISTRICTS. (See p. 248.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	5	10	3 less	201	+ 9	39·8	+ 2·1
	1. SCOTLAND, EAST	5	8	1 more	170	+13	27·3	+ 2·3
	2. ENGLAND, N.E.	5	5	2 less	143	− 4	23·1	+ 2·5
	3. ENGLAND, EAST	4	3	3 less	139	− 4	19·3	− 0·9
	4. MIDLAND COUNTIES	3	3	4 less	134	− 6	22·3	− 0·2
	5. ENGLAND, SOUTH	2	1	7 less	125	−10	19·6	− 2·7
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	10	3 less	182	+18	44·9	+ 5·1
	7. ENGLAND, N.W.	4	5	4 less	154	+ 2	29·2	+ 2·1
	8. ENGLAND, S.W.	4	4	7 less	158	+ 5	31·6	+ 0·4
	9. IRELAND, NORTH	5	5	4 less	189	+11	30·0	+ 2·2
	10. IRELAND, SOUTH	3	7	2 less	164	+ 4	33·5	+ 3·2
	—CHANNEL ISLANDS	4	2	8 less	160	− 1	23·0	− 2·0

Bright Sunshine.

	DISTRICTS. (See p. 248.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	22	+ 5	32	+ 8	1015	+ 35	26	+ 1
	1. SCOTLAND, EAST	20	+ 1	29	+ 2	1075	− 93	28	− 2
	2. ENGLAND, N.E.	20	0	28	0	1117*	− 51	29	− 1
	3. ENGLAND, EAST	31	+ 5	42	+ 8	1551	+ 92	39	+ 3
	4. MIDLAND COUNTIES	25	+ 6	35	+ 8	1291	+ 93	35	+ 2
	5. ENGLAND, SOUTH	29	+ 3	39	+ 4	1615	+139	42	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	19	− 1	27	− 1	1210	− 28	31	− 1
	7. ENGLAND, N.W.	21	+ 4	29	+ 5	1390	+116	35	+ 3
	8. ENGLAND, S.W.	38	+13	51	+18	1605	+103	42	+ 2
	9. IRELAND, NORTH	25	+ 4	35	+ 7	1213*	+ 74	32	+ 2
	10. IRELAND, SOUTH	32	+ 8	45	+13	1339	+ 44	35	+ 1
	—CHANNEL ISLANDS	33	+ 8	45	+10	1812	+152	50	+ 4

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was rather rainy and unsettled over the greater part of the Kingdom, but over the southern and central counties of England and in the south of Ireland the conditions were mainly fair.

Temperature was rather below the mean generally, but just equal to the normal in England S.W. and a little above it in the Channel Islands. The highest of the maxima were recorded on the 17th in England, but on irregular dates over Ireland and Scotland; they ranged from 66° in Scotland N. and 65° in England S. to 58° in Scotland W., England N.W., and Ireland N. The lowest of the minima occurred, as a rule, during the earlier days of the period, and ranged from 24° in Scotland E. and 25° in Scotland W. to 32° in England E. and S.W., 35° in England S., and to 47° in the Channel Islands.

Rainfall was a little more than the mean in Scotland E., but less in all other districts. In England S. and the Channel Islands the fall was very slight.

Bright Sunshine exceeded the mean in nearly all districts. The percentage of the possible duration ranged from 51 in England S.W., 45 in Ireland S. and the Channel Islands, and 39 in England S. to 29 in Scotland E. and 27 in Scotland W.

Barometer and Wind.—At the commencement of the week a large and deep depression was moving south-eastwards over Scandinavia, and, as the barometer was relatively high over the Bay of Biscay, strong winds or gales from the North-Westward were very general over Ireland and Scotland, and moderate or fresh North-Westerly winds elsewhere. By the 16th this system had disappeared, and a ridge of high pressure covered Great Britain, while a depression was spreading slowly over us from the westward. This disturbance finally moved south-eastwards over our Islands, and was followed by an anticyclone from the Atlantic, with light Northerly and North-Westerly winds. This system affected all our more western coasts, while the eastern and north-eastern districts were influenced by shallow depressions which travelled southward or were formed over the North Sea.

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* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 247 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	50	36	48·0	38·9	43·3	− 2·2	22	9	3	0·48	− 0·51	*	*	*	*
	Stornoway	56	32	50·4	36·6	43·3	− 1·8	32	15	5	1·50	+ 0·35	28·7	+ 9·4	41	+14
	Wick	54	32	49·4	36·7	42·9	− 2·5	29	15	7	1·24	+ 0·54	*	*	*	*
	Lairg Ⓢ	66	26	52·3	33·9	42·8	− 1·0	40	23	7	0·73	− 0·15	*	*	*	*
	Glencarron Ⓢ	53	28	47·2	34·9	40·9	− 3·9	15	27	5	1·38	− 0·64	*	*	*	*
	Fort Augustus Ⓢ	54	27	49·0	36·7	42·7	− 3·6	27	15	6	0·70	− 0·25	18·1	+ 5·1	26	+ 8
	Fort William Ⓢ	54	36	49·9	41·7	45·7	− 1·1	27	1	3	0·64	− 1·11	23·5	+ 5·7	34	+10
1. SCOTLAND, E.	Nairn	55	24	49·7	34·0	41·6	− 4·0	22	32	5	0·63	+ 0·05	*	*	*	*
	Aberdeen	50	35	48·3	40·3	44·2	− 2·1	23	5	7	1·18	+ 0·48	22·2	+ 0·2	32	+ 1
	Braemar Ⓢ	52	28	44·8	35·7	40·1	− 2·6	8	23	5	0·67	− 0·23	14·0†	− 2·2†	20†	− 3†
	Ochtertyre Ⓢ	61	25	53·3	36·0	44·4	− 1·4	42	17	3	0·77	− 0·18	*	*	*	*
	Leith	57	29	52·6	37·3	44·7	− 2·8	39	13	3	1·01	+ 0·56	*	*	*	*
	Marchmont Ⓢ	52	26	48·7	37·3	42·8	− 2·4	25	13	5	0·78	+ 0·01	24·8	+ 5·2	35	+ 8
2. ENGLAND, N.E.	Alnwick Castle	53	29	50·2	37·7	43·8	− 2·7	31	12	5	0·69	− 0·01	*	*	*	*
	Durham	54	28	50·5	39·0	44·6	− 1·9	31	8	5	0·32	− 0·36	25·9	+ 5·9	36	+ 9
	Shields	54	33	50·6	38·6	44·4	− 3·0	31	10	5	0·68	+ 0·10	*	*	*	*
	Scarborough Ⓜ	62	37	53·4	40·1	46·6	− 1·3	40	5	5	0·40	− 0·33	27·3	?	38	?
	Spurn Head	54	40	51·7	42·7	47·1	− 1·8	36	0	4	0·40	− 0·13	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	57	32	55·0	37·4	45·9	− 1·9	47	13	5	0·81	+ 0·18	24·7	+ 2·7	34	+ 4
	Yarmouth	57	38	52·4	40·7	46·4	− 2·7	36	4	6	0·43	− 0·27	*	*	*	*
	Geldeston	58	33	54·2	39·0	46·4	− 2·4	43	8	6	0·14	− 0·51	31·6	+ 6·3	43	+10
	Cambridge	63	36	55·3	40·9	4·.9	− 0·3	46	3	2	0·11	− 0·44	31·7	+ 7·6	43	+11
	Felixstowe	58	38	53·7	43·6	48·5	− 1·3	46	0	3	0·24	?	38·1†	?	52†	?
	Rothamsted	62	35	53·0	41·0	46·8	− 0·4	38	3	4	0·12	− 0·58	27·8	+ 2·9	38	+ 5
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	56	31	52·9	37·4	44·9	− 1·9	40	13	2	0·11	− 0·51	*	*	*	*
	Loughborough	63	34	52·4	38·9	45·5	− 2·2	38	9	3	0·26	− 0·38	*	*	*	*
	Cheadle Ⓜ	60	34	50·1	38·9	44·3	− 2·3	29	9	4	0·75	− 0·05	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	60	36	51·0	40·6	45·7	− 0·8	32	4	3	0·33	− 0·35	17·8	?	24	?
	Churchstoke Ⓜ															
	Hereford (Belmont) Ⓜ	61	32	53·8	39·6	46·5	− 1·1	42	7	4	0·24	− 0·38	*	*	*	*
	Cirencester	59	35	52·6	39·4	45·8	− 1·0	38	7	3	0·17	− 0·56	32·8	+10·0	45	+14
	Oxford	61	37	53·7	40·9	47·1	− 1·2	40	3	3	0·13	− 0·47	28·6	+ 5·4	39	+ 8
5. ENGLAND, S.	London	63	35	54·6	41·6	47·9	− 1·2	43	1	3	0·08	− 0·56	21·5†	+ 3·6†	29†	+ 5†
	Swarraton (Alresford) Ⓜ	61	38	53·6	41·8	47·5	− 0·8	39	1	2	0·20	?	*	*	*	*
	Dungeness	61	35	56·1	40·9	48·3	− 2·6	49	3	2	0·09	− 0·69	24·5	?	34	?
	Hastings (St. Leonards)	62	38	55·6	42·3	48·8	− 1·7	48	0	4	0·16	− 0·74	28·7	+ 1·1	39	+ 2
	Southampton	65	39	57·4	44·0	50·5	+ 0·5	60	0	2	0·10	− 0·70	30·7	+ 4·9	42	+ 7
	Portland Bill	60	42	56·6	47·1	51·7	+ 0·9	68	0	1	0·01	?	*	*	*	*
	Shaftesbury Ⓜ	59	38	53·5	42·1	47·6	+ 0·6	39	0	2	0·14	− 0·73	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	55	31	49·9	37·9	43·7	− 3·7	29	11	4	0·94	− 0·78	*	*	*	*
	Glasgow	55	31	49·3	40·6	44·8	− 1·5	25	4	2	0·75	− 0·12	15·6	− 0·1	22	0
	Glenlee Ⓢ	58	25	51·5	37·8	44·5	− 1·8	35	12	3	0·84	− 0·48	*	*	*	*
	Douglas (Isle of Man)	58	32	51·9	41·0	46·3	− 1·6	34	3	6	1·30	+ 0·28	22·0	− 2·0	31	− 2
7. ENGLAND, N.W.	Newton Reigny	56	26	52·4	36·2	44·1	− 0·9	39	16	2	0·36	?	26·7	?	38	?
	Stonyhurst	55	34	50·5	40·1	45·2	− 1·6	30	5	4	0·61	− 0·57	28·8	+ 8·7	40	+13
	Blackpool Ⓜ	57	35	53·8	41·6	47·5	− 0·9	40	1	4	0·39	− 0·55	23·4	+ 3·4	33	+ 6
	Manchester (Prestwich)	58	34	51·7	40·1	45·7	− 1·5	34	5	4	0·54	− 0·36	19·0	?	26	?
	Liverpool Obsy. (Bidston)	56	39	51·9	43·1	47·4	− 1·3	38	0	4	0·90	+ 0·10	16·8	?	23	?
	Llandudno Ⓜ	58	40	53·3	45·3	49·2	− 0·7	50	0	3	0·42	− 0·48	16·8	− 1·4	23	− 3
	Holyhead	57	42	53·0	45·1	48·9	− 1·5	48	0	4	0·52	− 0·48	*	*	*	*
8. ENGLAND, S.W.	Llandovery	61	32	55·4	37·6	46·2	− 1·1	48	12	6	0·69	− 0·58	*	*	*	*
	Pembroke	58	42	54·4	47·4	50·8	− 0·2	62	0	5	0·33	− 0·61	28·3	+ 4·6	39	+ 6
	Clifton	59	42	54·6	44·0	49·1	+ 0·3	50	0	3	0·31	− 0·52	*	*	*	*
	Arlington (N. Devon)	58	35	54·6	42·4	48·3	− 0·3	44	0	4	0·51	− 0·91	*	*	*	*
	Cullompton Ⓜ	61	35	56·9	40·8	48·6	+ 1·0	51	3	2	0·29	− 0·61	36·4	+14·8	50	+21
	Falmouth	60	40	55·4	46·8	51·0	− 0·2	63	0	4	0·40	− 0·83	42·9	+15·7	59	+23
	Plymouth	61	43	57·0	46·4	51·5	+ 0·6	67	0	2	0·11	− 0·77	42·7	+18·1	58	+25
9. IRELAND, N.	Malin Head	55	39	51·3	43·0	47·0	− 1·7	35	0	6	0·24	?	*	*	*	*
	Londonderry	57	35	52·9	38·7	45·6	− 1·9	39	9	6	0·49	− 0·49	*	*	*	*
	Edenfel (Omagh)	55	31	51·9	35·7	43·6	− 1·9	38	18	4	0·86	+ 0·01	*	*	*	*
	Blacksod Point	56	37	53·7	41·9	47·6	− 2·2	40	0	4	0·71	?	*	*	*	*
	Markree Castle	58	28	54·1	35·5	44·5	− 2·3	45	18	4	0·40	− 0·62	23·5	+ 2·8	33	+ 5
	Armagh	58	33	54·5	37·7	45·9	− 0·7	45	12	6	0·18	− 0·52	25·7	+ 4·7	36	+ 8
	Donaghadee	55	34	52·0	41·3	46·5	− 1·6	34	2	4	0·43	− 0·33	*	*	*	*
10. IRELAND, S.	Dublin	59	37	54·7	42·3	48·3	− 0·6	44	0	4	0·19	− 0·51	37·9	+12·9	53	+18
	Parsonstown	58	32	54·1	35·9	44·7	− 2·3	45	17	2	0·37	− 0·33	31·5	+ 9·4	44	+14
	Kilkenny	57	30	54·7	38·7	46·5	− 1·4	45	9	3	0·22	− 0·51	*	*	*	*
	Roche's Point	57	42	55·7	45·1	50·2	− 0·4	57	0	2	0·83	− 0·12	*	*	*	*
	Valencia	58	37	56·3	44·1	50·0	− 0·9	56	0	4	1·18	− 0·10	27·2	+ 3·4	37	+ 5
	Killarney	59	33	56·7	41·6	48·9	− 0·6	50	1	4	1·11	?	*	*	*	*
	Foynes	59	38	54·8	42·9	48·7	+ 0·4	47	0	4	0·71	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	60	47	57·4	49·6	53·4	+ 0·5	80	0	2	0·22	− 0·63	27·6	?	38	?
	Jersey	63	49	58·7	51·6	55·1	+ 2·2	92	0	5	0·22	− 0·86	34·8	+ 5·5	47	+ 8

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

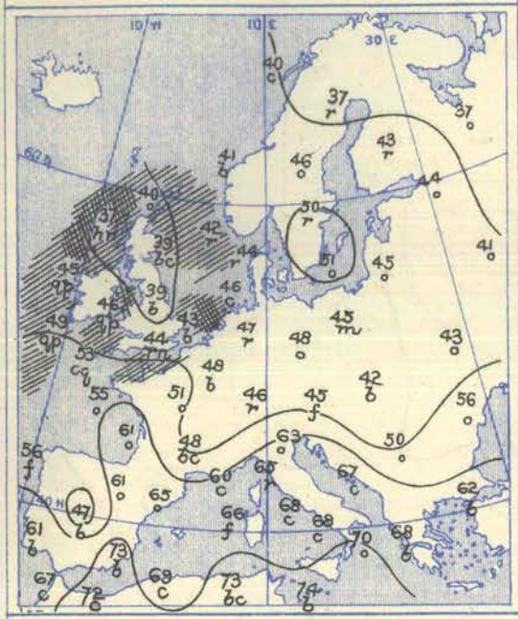
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

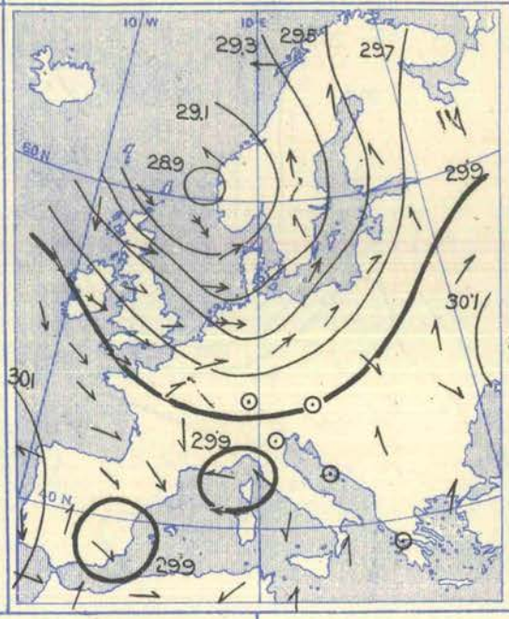
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 14th October.

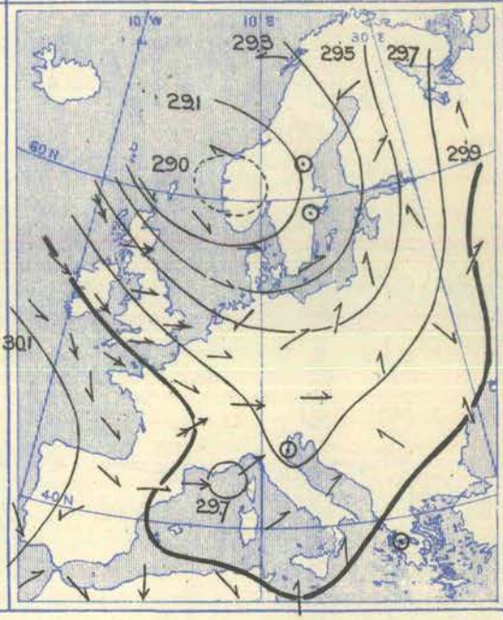
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning squally and showery over the greater part of the United Kingdom, dull at most of the Continental stations, with rain in several parts of Sweden, Denmark, Germany and northern Italy; fine over the Spanish Peninsula. Showers of hail or sleet falling later in most parts of our Islands, and rain at many of the Continental stations—as much as 2·1 ins. at Trieste and 1·8 in. at Rome.

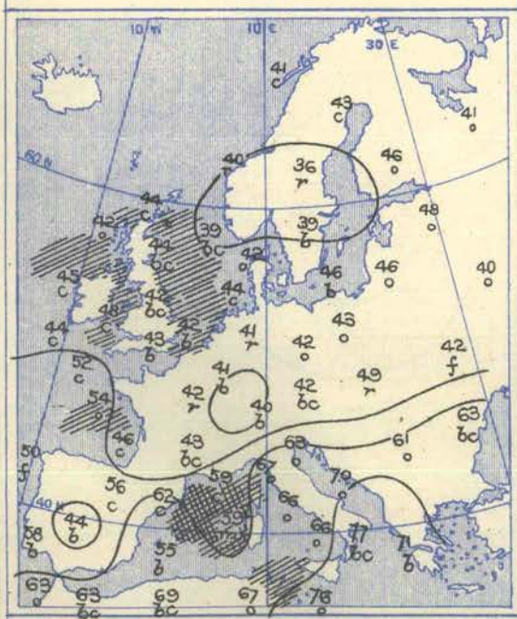
Temperature fallen in most countries but risen in France, Germany and Sweden. Morning readings highest, 74° at Malta, 73° at Alicante and La Calle and 72° at Nemours; above 60° over southern Europe generally. Lowest (1), 35° at Cracow and 38° at Warsaw; (2) 36° at Nairn and 37° at Stornoway (below 40° over the northern and central parts of Great Britain generally); (3) 37° at Archangel and Haparanda. Daily maxima below 45° in the north of Scotland and below 50° in all but the extreme western and southern parts of the United Kingdom. Thermometer exceeding 70° in many parts of southern Europe and reaching 81° at Brindisi. Frost occurring over central Scotland at night.

Wind Westerly or North-Westerly over our Islands and the neighbouring parts of the Continent, and strong to a gale in force on our north-west coast, as well as in the south of Norway. South-Westerly in Germany; Southerly over the Baltic, Russia and Sweden; South-Easterly or Easterly in the west of Norway. Calm in Austria; variable over southern Europe generally. Northerly winds setting in later over the Spanish Peninsula, and Southerly and South-Westerly winds in Italy. No important change occurring elsewhere.

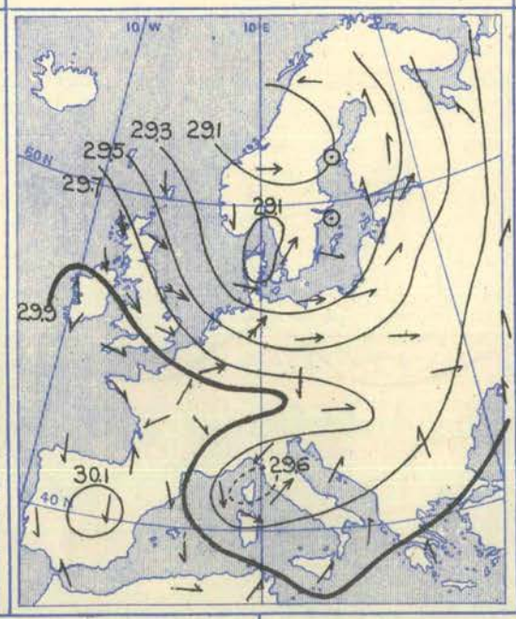
Barometer highest, 30·1 ins. and upwards in two anticyclones—one lying off the Portuguese coasts and the other over the south of Russia. Lowest, 28·9 ins. and less in a large and rather deep depression with its centre over the west of Norway; 29·9 ins. and less in a shallow disturbance over northern Italy and the Gulf of Genoa. Norwegian depression subsequently moving slowly eastward; Southern disturbance moving North-Eastward and becoming somewhat deeper.

Monday, 15th October.

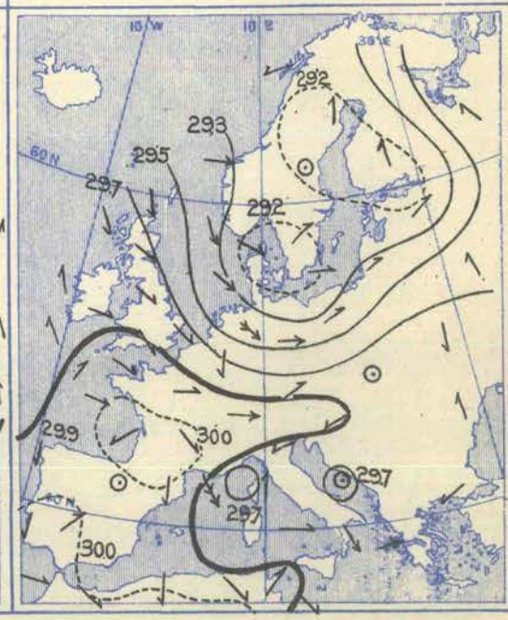
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Great Britain and the south of Scandinavia, as well as over south Germany and the Spanish Peninsula. Cloudy or dull elsewhere, with rain in several parts of northern and central Europe. Rain falling later in the west and north of our islands generally—heavily at Valencia. Considerable quantities reported at some of the continental stations—as much as 1·6 in. at Oporto.

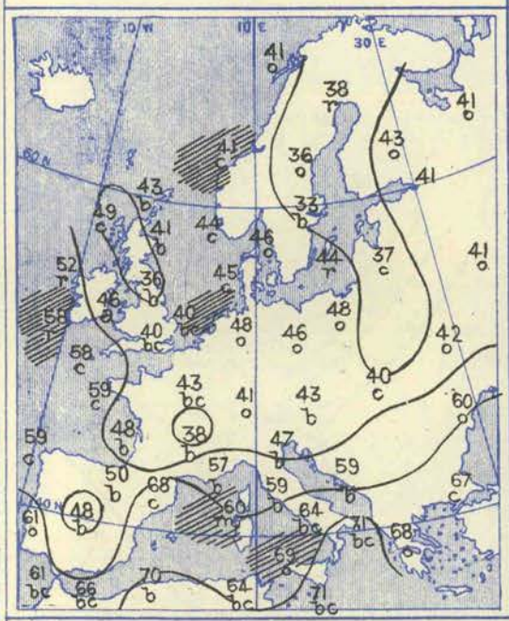
Temperature risen in the northern and central parts of Great Britain, but fallen elsewhere. Morning readings highest, 77° at Brindisi, 76° at Malta, and 72° at Sfax; above 65° at most of the Mediterranean and Adriatic stations. Lowest, (1) 36° at Hernösand, 37° at Karlsbad, and 39° at Stockholm; (2) 37° at Belfort and Limoges, and 38° at Munster. Daily maxima below 50° on our extreme north and north-west coasts, and below 55° in all but the extreme southern and south-western parts of the Kingdom. Thermometer exceeding 70° in many parts of southern Europe, and reaching 84° at Brindisi.

Wind North-Westerly over Great Britain and the north of France, and strong to a gale in force on our east coasts; Westerly or South-Westerly over the Netherlands, Denmark, Germany, and Austria; Southerly in Russia; variable in Scandinavia. Variable in the extreme south-west of our islands, and also over the Spanish Peninsula; North-Westerly in the extreme south of France; South-Westerly or Southerly in Italy. Subsequently veering to the North-Westward on the eastern shores of the North Sea. Southerly breezes setting in on our own extreme west and south-west coasts.

Barometer highest, 30·0 ins. to 30·1 ins. in an anticyclone lying over Algeria, the Spanish Peninsula, and the greater part of France. Lowest, 29·1 ins. and less in the centre of two depressions—one lying over Denmark, and the other over the northern parts of Scandinavia; 29·6 ins. and less in a small depression over the Gulf of Genoa. New disturbance appearing late off our own extreme western coasts, and barometer falling at all our western stations.

Tuesday, 16th October.

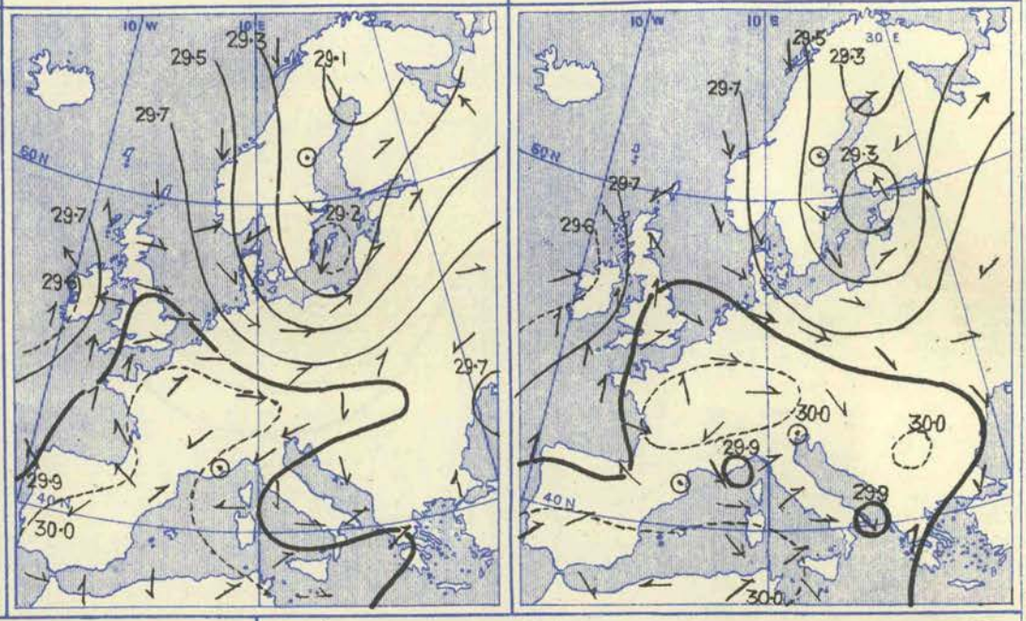
Temperature and Weather. 8 a.m.



Weather in morning fine over England, Scotland and the western and southern parts of the Continent generally; rainy in Ireland and Wales. Cloudy or dull in most of the northern and central countries, with rain in several places. Rain falling later in most parts of north-western and northern Europe—heavily at some of the Russian stations. A heavy fall (2·4 ins.) reported also at Bilbao.

Temperature risen considerably in the west and south-west of our Islands and to a less extent over the Netherlands, Germany and Norway; fallen in most other localities. Morning readings highest, 71° at Brindisi and Malta, and 70° at Algiers and Sfax; above 60° at most of the Mediterranean and Spanish coast stations and very little below it on our own extreme south-west coasts. Lowest, (1) 32° at Limoges and 33° at Lyons; (2) 33° at Nairn and Leith, and 37° at Wick; (3) 33° at Stockholm and 34° at Karlstad. Daily maxima below 55° at most of our own northern and eastern stations and below 60° on all but our extreme southern coasts. Thermometer exceeding 70° in many parts of southern Europe.

Barometer and Wind. 8 a.m. and 6 p.m.

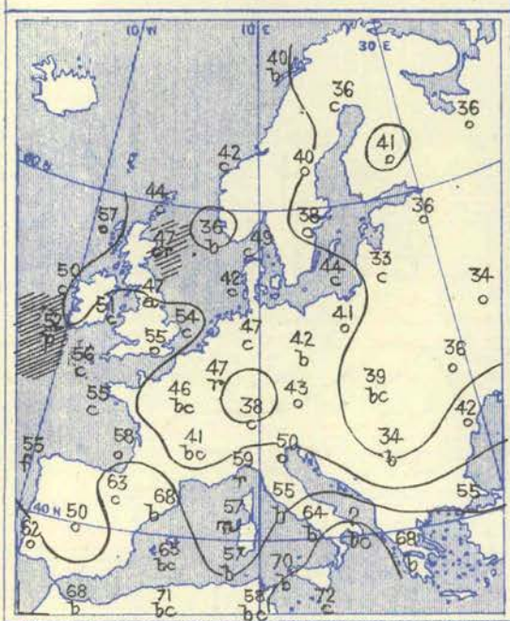


Wind fresh to strong from the Southward or South-Eastward on our western coasts; light from the same quarters over the Spanish Peninsula and the west and north of France. Northerly in the north of Scotland and the west of Norway; North-Westerly or Westerly over the east of England and also over the Netherlands, Denmark and the south of Scandinavia; South-Westerly over eastern and southern Germany; Southerly over northern Russia; variable in Italy and the south of France. Subsequently shifting to the Westward in the south of Ireland but backing to the Southward or South-Eastward in most parts of Great Britain.

Barometer highest, 30·0 ins. and upwards in an anticyclone over France, Spain and Algeria. Lowest, 29·1 ins. and less in a depression over Lapland, 29·2 ins. and less in another disturbance over the northern part of the Baltic, 29·6 ins. and less in a third system lying off the west of Ireland. Depressions over northern Europe, subsequently moving north-eastwards; disturbance off our own western coasts passing northwards.

Wednesday, 17th October.

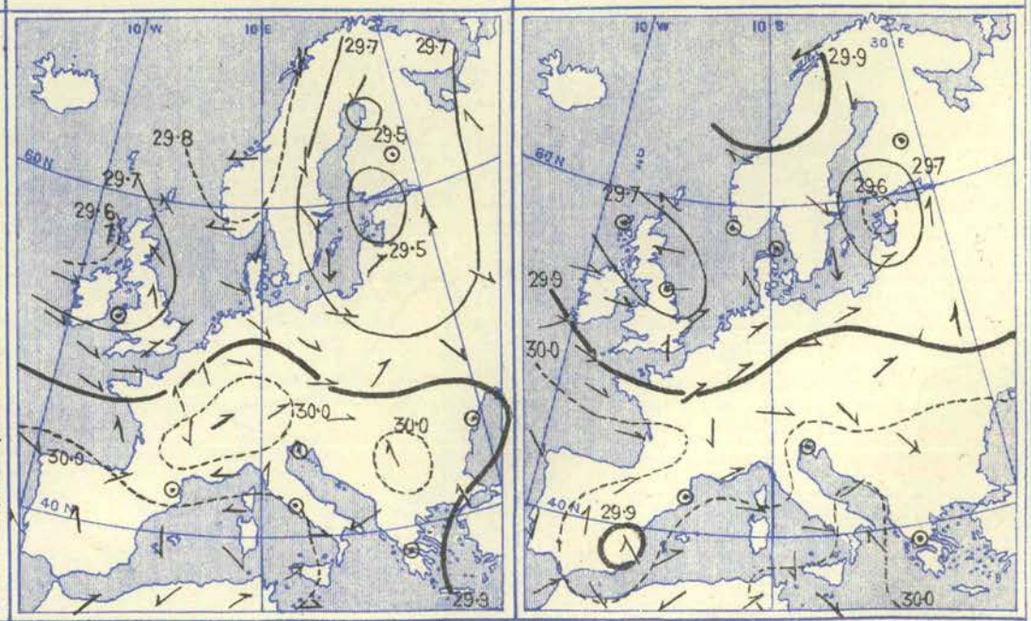
Temperature and Weather. 8 a.m.



Weather in morning cloudy and changeable over our Islands, the Netherlands and the north of France, with rain or passing showers in many places. Fine over the western and southern parts of the Continent as a whole, but dull over the Spanish Peninsula; cloudy or dull also over Sweden, Russia and eastern Germany, with rain at Helsingfors and Breslau. Rain falling later over France and northern and central Europe generally—rather heavily in places.

Temperature risen considerably over Great Britain and to a less extent in France and Scandinavia, fallen in most other countries. Morning readings highest, 72° at Malta, 71° at Brindisi and 69° at Barcelona; above 65° at most of the Mediterranean stations, and above 55° on our own southern coasts. Lowest, (1) 33° at Riga, 34° at Moscow and Hermanstadt, and 36° at Haparanda and Archangel; (2) 36° at Frankfürt and 37° at Munster. Rising during day to 60° and upward at several of the English stations, and to 63° in London and at Loughborough and Jersey, exceeding 65° in France, and exceeding 70 in many parts of southern Europe, the highest reading reported being 81° at Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.

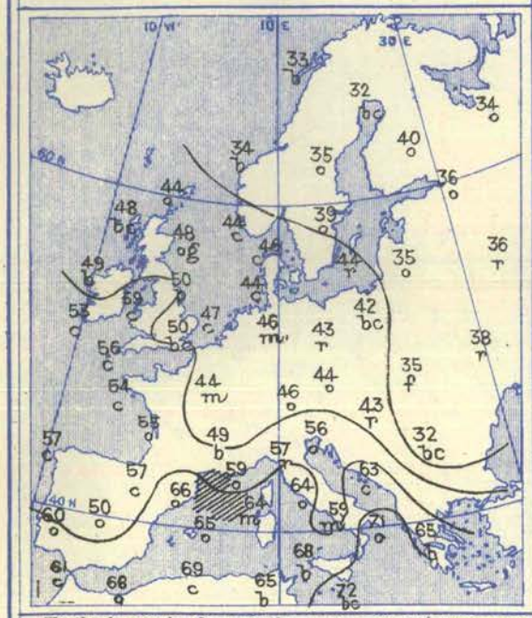


Wind light to moderate from the Westward or South-Westward on our western and southern coasts, Southerly or South-Easterly in the north and east of our Islands, and strong in force in the north-east of Scotland; Easterly in the west of Norway. Northerly in Sweden, North-Westerly in Denmark and Westerly in Germany, but South-Easterly over northern Russia; light and variable over southern Europe generally. Subsequently veering to the North-Westward on our western coasts; no important change occurring elsewhere.

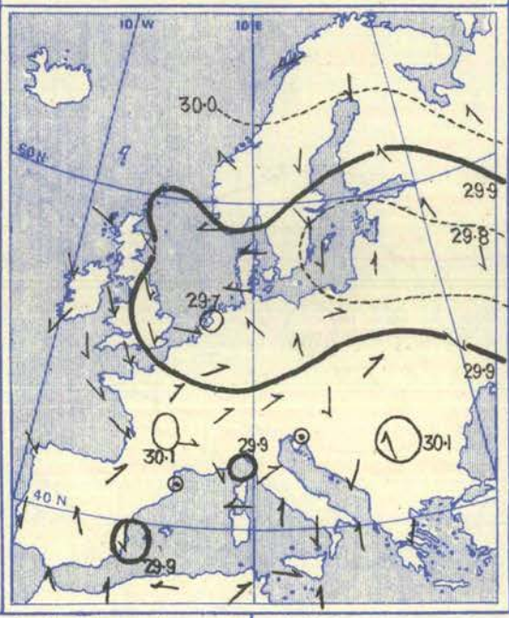
Barometer highest, 30·0 ins. and upwards over the greater part of central and southern Europe. Lowest, 29·4 ins. and less in a depression over the Gulf of Finland; 29·6 ins. and less in another disturbance off the west of Scotland. Shallow secondary system forming later over the northern parts of Great Britain and moving eastwards; barometer rising again on our western and southern coasts.

Thursday, 18th October.

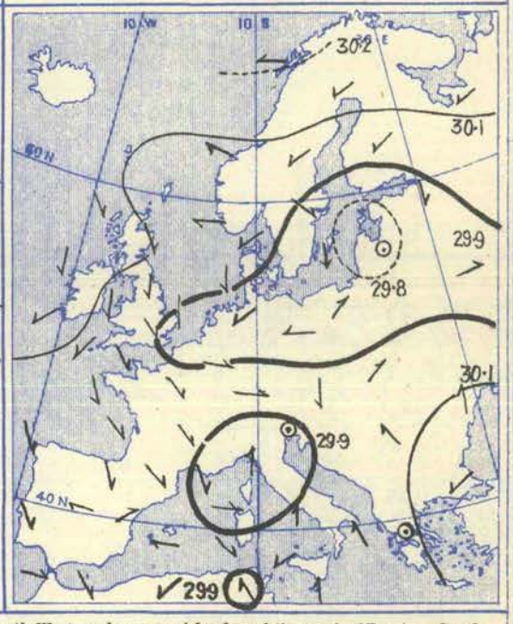
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but rainy or showery at some of our east coast stations. Cloudy and dull over the continent as a whole, with fog or mist in several places, and with rain at some of the northern and central stations; fine in Norway. Showers falling during day in most parts of Great Britain, and steady rain at many of the continental stations.

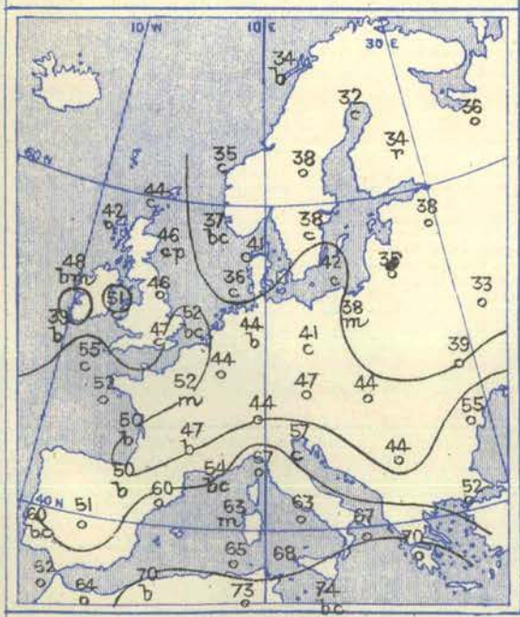
Temperature fallen over England and the north and west of France, as well as in Sweden and Austria; risen in most other localities. Morning readings highest, 72° at Malta, 71° at Brindisi, and 70° at Sfax; above 65° at many of the Mediterranean stations. Lowest, 32° at Haparanda and Hermenstadt, 33° at Bodö, and 34° at Christiansund and Archangel; below 40° in many parts of northern and eastern Europe, and just touching that point at Parsonstown. Daily maxima, below 55° at most of our own northern and eastern stations, and below 60° in all places excepting Jersey and Portland Bill. Thermometer exceeding 70° in Spain and Italy, and reaching 81° at Cagliari. Ground frost occurring at night over the central parts of England and Ireland.

Wind light to fresh from the North-Westward over our islands and the north of France. South-Westerly over central France, the Netherlands and Western Germany; Southerly or South-Easterly in eastern Germany; Easterly in Denmark and Norway; Northerly or North-Westerly in Sweden, but South-Easterly over northern Russia. Light and variable over southern Europe generally. Subsequently veering to the Northward in our islands, and to the North-Eastward in Denmark; shifting to the North-Westward over the whole of France.

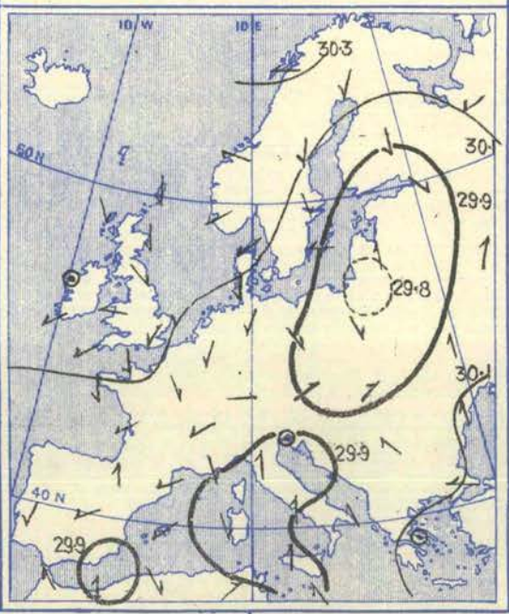
Barometer highest, 30·0 ins. and upwards in three areas—one extending from the Atlantic over Ireland, France, and Spain, another lying over the extreme north of Europe, and the third over Austria, Turkey and Greece. Lowest, 29·7 ins. and less in a shallow depression over the southern part of the North Sea; 29·8 ins. and less in another disturbance over western and central Russia. Both depressions moving Southwards later and partially filling up; Atlantic anticyclone spreading Northwards and Eastwards.

Friday, 19th October.

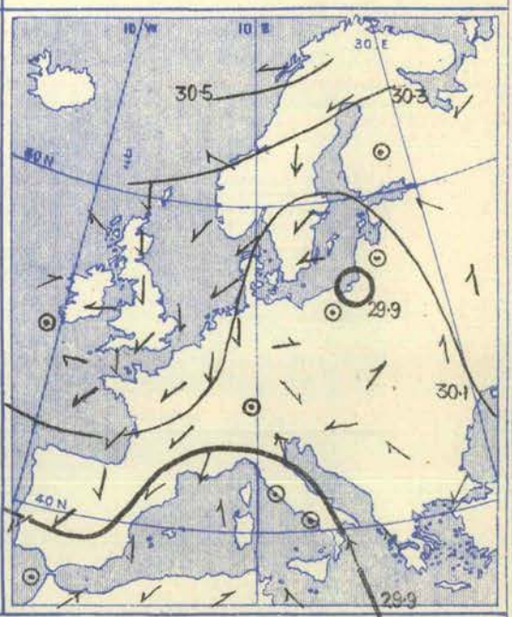
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over western Europe as a whole, but dull on our own north-east coasts, with showers at Aberdeen, rainy at Dungeness and Cape Gris Nez. Dull in most of the northern, central, and southern countries, with rain at Kuopio and also at Buda Pesth; snow falling at Uleaborg and Karlstad. Showers falling during day in the north and east of our islands, and rain at many of the continental stations—heavily over central and southern Italy (2·3 ins. at Naples and 1·5 ins. at Rome).

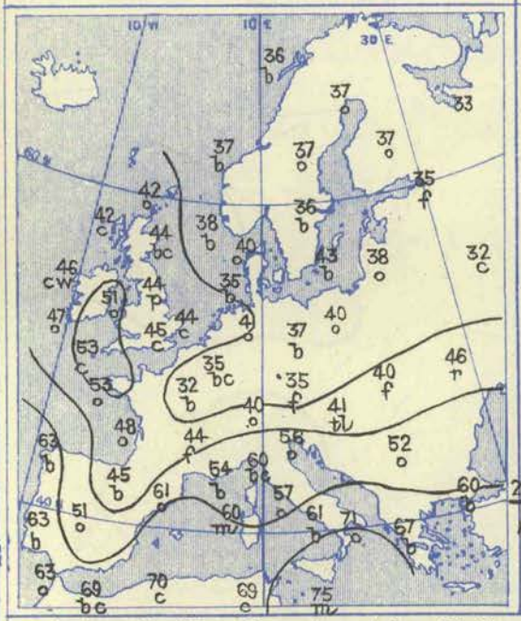
Temperature fallen in most parts of western and northern Europe, risen or changed irregularly elsewhere. Morning readings highest, 74° at Malta, 73° at La Calle, and 72° at Sfax; above 60° at the Mediterranean and Adriatic stations generally. Lowest, (1) 32° at Haparanda and 33° at Karlstad, Moscow and Kharkov; 34° at Parsonstown; lowest in England, 40° at Loughborough. Rising during day to 55° or rather above it in many parts of the United Kingdom; exceeding 60° in the west of France, and exceeding 70° at several of the Spanish and Italian stations, the highest reading of all being 79° at Malta.

Wind light to moderate from between North and East over western and northern Europe generally, but calm or variable on our own extreme north-west coasts; Westerly in Germany; variable over the Spanish Peninsula, the south of France and northern Italy; Southerly over southern Italy. No important change occurring during day.

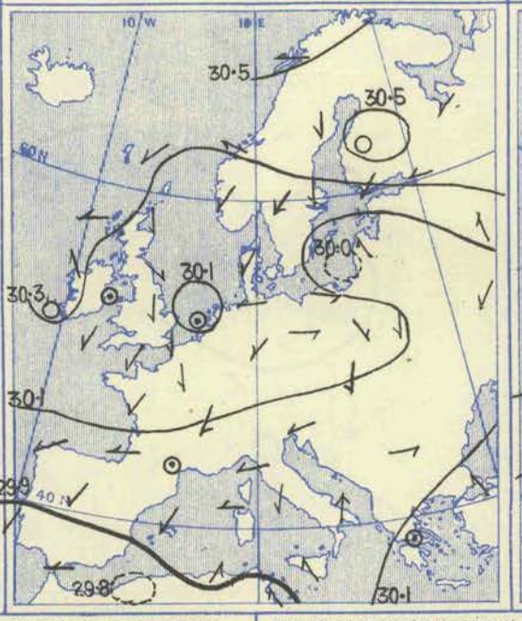
Barometer highest, 30·3 ins. and upwards in the north of Norway; 30·1 ins. and upwards in an anticyclone embracing the whole of our islands, the North Sea, and the western and northern parts of Scandinavia. Lowest, 29·8 ins. and less in a depression over Prussia and the Baltic Provinces; 29·9 ins. and less in two other systems lying over Italy and the western parts of the Mediterranean. Scarcely any change occurring later.

Saturday, 20th October.

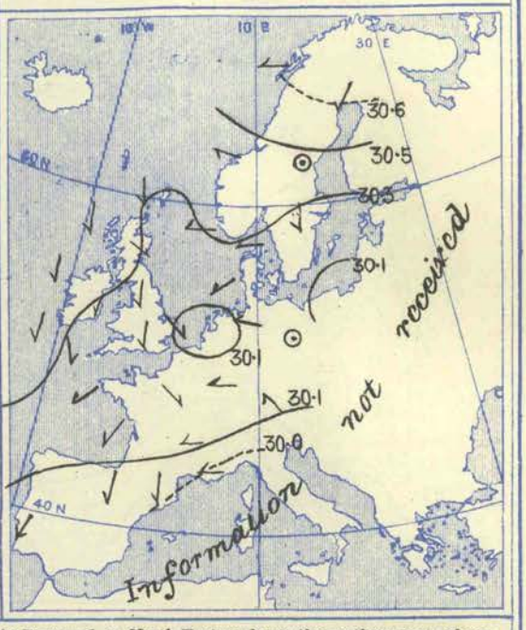
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over the greater part of our Islands and the Continent, but dull in places, with rain on the north-east coasts of Great Britain; rain falling also at Karlstad and Kiev. Fog reported in several parts of Central Europe. Fine and bright in the west of Norway. Showers falling later in many parts of Great Britain, the Netherlands and Germany, and more decided falls of rain in Sweden.

Temperature fallen in England and all the more central parts of the Continent, but risen elsewhere. Morning readings highest, 75° at Malta, 71° at Brindisi, and 70° at Algiers, above 60° at the Mediterranean and Spanish coast stations generally. Lowest, (1) 32° at Moscow, 33° at Archangel, and 35° at St. Petersburg; (2) 32° at Paris, 34° at Frankfürt, and 35° at Prague and Brussels; lowest in our Islands, 40° at Dungeness, and 42° at Sumburgh Head and Stornaway. Daily maxima below 50° at several of our northern and eastern stations, and below 55° on all but our extreme south-west coasts. Thermometer exceeding 65° in the south of France, and reading 70° at Lisbon. Ground frost occurring over the northern and central parts of Great Britain at night.

Wind light to moderate from the Eastward or North-Eastward over the northern parts of our Islands and the Continent; North-Westerly over eastern and central England; calm or variable on our western coasts. North-Easterly over the English Channel, France, Spain and northern Italy; variable over central and eastern Europe. Northerly breezes setting in later on our own western coasts; no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards in Finland; 30·1 ins. and upwards in an anticyclone covering the greater part of western, northern, and central Europe, but below that point in a shallow depression over the southern parts of the North Sea. Lowest, 29·9 ins. and less over Algeria and the south of Spain, 30·0 ins. and less in a small depression over the Gulf of Dantzig. Depression over North Sea subsequently moving slowly south-eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶⟶ = a heavy gale ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week the depression which had previously skirted our own extreme north-west coasts moved slowly across northern Europe and gradually dispersed. In its rear an anticyclone spread over France and our southern coasts, so that while strong North-Westerly winds and showery weather were experienced in our Islands at first (with gales on our northern coasts) the wind afterwards subsided and the weather improved temporarily. Over southern Europe the conditions were at the same time affected by a complex series of depressions which appeared over Italy and the Mediterranean, and which occasioned heavy rain in places.

On the 16th and 17th the weather in these Islands was influenced by a depression which moved northwards along our western coasts, and also by a secondary system which passed eastwards across England to the North Sea and Germany. In the rear of these an anticyclone spread from the Atlantic northwards and eastwards over the whole kingdom. The wind now shifted to the Northward or North-Eastward, with improving weather, the only interruption to these conditions occurring at the end of the week, when a shallow disturbance formed over the southern part of the North Sea and occasioned rain on our east and south-east coasts. A complex depression appeared also over Italy on the 19th, and produced heavy rain over the central and southern parts of that country.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 248.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	18·4	?	27	?	BRIGHTON	29·4	+ 1·4	40	+ 2
STRATHPEFFER SPA	21·1	− 0·4	30	0	WORTHING	31·7	?	43	?
EDINBURGH	18·0	− 0·9	25	− 1	BOGNOR	28·0*	?	38*	?
MORPETH	27·3	?	38	?	WATERGATE (Emsworth)	29·4	?	40	?
NEWCASTLE-ON-TYNE	21·0	?	30	?	WESTBOURNE (Emsworth)	29·4*	+ 3·4	40*	+ 5
OSWALDKIRK (Yorkshire)	23·7	+ 3·9	33	+ 6	VENTNOR HOSPITAL	34·6	?	47	?
YORK					SOUTHPORT	23·2	?	32	?
LOWESTOFT	22.0	?	30	?	RHYL	16·8*	?	23*	?
HOLLESLEY BAY	37·4	?	51	?	COLWYN BAY	16·3	?	23	?
SHEFFIELD	26·5	?	37	?	ABERDOVEY	20·3*	?	28*	?
WORKSOP	24·2	+ 4·4	34	+ 8	TENBY	33·3	+ 8·1	46	+18
THURCASTON (Leicestershire)	22·5	+ 2·5	31	+ 4	NEWQUAY	36·2	+10·0	50	+15
MARGATE	25·3	+ 1·1	35	+ 3	TORQUAY	42·4	+17·1	58	+25
EASTBOURNE	29·8	+ 2·3	41	+ 4	GUERNSEY	36·4*	+ 9·6	49*	+13

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 43.] *Third Series.* WEEK ENDING SATURDAY, OCTOBER 27TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 254.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	59	27	50·8	38·6	44·5	0 (average)	32	+ 2	10	0	1991	+144	672	+ 19
	1. SCOTLAND, EAST	62	27	51·4	39·1	45·1	1 above	34	+ 1	8	- 4	2153	- 75	729	+ 45
	2. ENGLAND, N.E.	64	32	53·7	41·2	47·3	1 above	40	+ 3	2	- 4	2533	+121	527	- 35
	3. ENGLAND, EAST	60	33	53·3	40·9	46·9	0 (average)	39	- 6	3	- 4	2967	+211	537	- 96
	4. MIDLAND COUNTIES	62	29	53·0	40·1	46·3	1 above	38	- 3	5	- 5	2820	+ 56	579	- 66
	5. ENGLAND, SOUTH	61	33	54·1	42·0	47·9	0 (average)	41	- 9	0	- 5	3155	+128	389	-100
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	59	28	52·0	40·4	46·0	0 (average)	35	- 3	4	- 4	2393	+ 50	518	+ 37
	7. ENGLAND, N.W.	60	29	52·4	42·6	47·4	1 above	38	- 4	0	- 5	2650	+ 83	453	- 17
	8. ENGLAND, S.W.	61	25	54·3	42·9	48·5	1 above	46	- 5	0	- 3	2957	+123	336	- 32
	9. IRELAND, NORTH	60	34	52·7	43·6	48·0	2 above	42	0	0	- 5	2513	+ 46	424	+ 17
	10. IRELAND, SOUTH	61	31	54·5	44·8	49·5	2 above	53	+ 4	0	- 5	2890	+ 99	374	+ 62
	—CHANNEL ISLANDS	59	44	56·5	48·5	52·4	1 above	73	+ 2	0	0	3631	+400	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 254.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	11	1 less	207	+10	40·9	+ 2·0	16	- 1	24	- 1	1031	+ 35	26	+ 1
	1. SCOTLAND, EAST	4	6	1 less	174	+13	27·9	+ 2·2	14	- 4	21	- 5	1089	- 97	28	- 2
	2. ENGLAND, N.E.	5	17	10 more	148	- 3	24·8	+ 3·6	20	+ 1	29	+ 2	1137	- 45	29	- 1
	3. ENGLAND, EAST	6	7	0 (average)	145	- 2	20·0	- 0·9	14	- 7	21	- 8	1565	+ 84	39	+ 3
	4. MIDLAND COUNTIES	5	6	1 less	139	- 5	22·9	- 0·3	20	0	28	0	1311	+ 93	35	+ 2
	5. ENGLAND, SOUTH	4	4	4 less	122	-10	20·0	- 3·1	19	- 4	27	- 5	1634	+134	42	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	8	5 less	187	+20	45·7	+ 4·7	20	+ 2	31	+ 5	1230	- 26	31	- 1
	7. ENGLAND, N.W.	5	11	1 more	159	+ 3	30·3	+ 2·3	18	+ 2	26	+ 2	1408	+117	35	+ 3
	8. ENGLAND, S.W.	4	8	3 less	162	+ 5	32·4	+ 0·1	25	+ 2	36	+ 5	1630	+105	42	+ 3
	9. IRELAND, NORTH	5	7	2 less	194	+12	30·7	+ 2·0	17	- 2	25	- 3	1230	+ 72	32	+ 2
	10. IRELAND, SOUTH	4	6	4 less	168	+ 4	34·1	+ 2·9	23	+ 1	33	+ 2	1362	+ 45	35	+ 1
	— CHANNEL ISLANDS	4	6	4 less	164	- 2	23·6	- 2·4	18	-12	26	-15	1830	+140	49	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was fair over the greater part of the Kingdom during the early days of the week, but soon became unsettled and rainy generally, the rain (accompanied by sleet and snow) being exceptionally heavy over the north and north-east of England on Friday night. A thunderstorm occurred at Liverpool on the 26th, and lightning was seen in many places during the week.

Temperature differed very little from the mean over the north and east of Great Britain, but was rather above it over Ireland and Wales. The highest of the maxima were recorded on the 24th, and ranged from 64° in England N.E. to 59° in Scotland N. and W. and the Channel Islands. The lowest of the minima occurred either at the commencement or the end of the period, and ranged from 25° in England S.W. and 27° in Scotland E., to 34° in Ireland N. and to 44° in the Channel Islands.

Rainfall was less than the mean over the Kingdom as a whole, but just equal to it in England E., slightly above it in England N.W., and greatly in excess in England N.E. The latter excess was caused by abnormally heavy but rather local falls, which were experienced in Northumberland and Durham during Friday night and the early morning of Saturday. The heaviest falls recorded at any of our stations were 3·67 ins. at Alnwick, 3·29 ins. at Seaham, 3·07 ins. at Cockle Park, Morpeth, 1·97 ins. at Durham, and 1·61 ins. at Marchmont.

Bright Sunshine was deficient in most districts, but slightly in excess in some western localities, as well as in England N.E. The percentage of the possible duration ranged from 36° in England S.W. and 33° in Ireland S. to 21° in Scotland E. and England E.

Barometer and Wind.—During the earlier part of the week an anticyclone appeared over Ireland and passed slowly eastwards or east-south-eastwards over our Islands to the Continent. No important depressions were observed in our immediate neighbourhood during the presence of this system, and the winds varied from North-West to West and South-West. By the 25th, however, a "V"-shaped depression appeared over our Islands, and during the night the main part of this system became deeper and travelled north-eastwards, while a deep secondary disturbance was formed over the north of England and the south of Scotland. In a portion of this latter depression the extremely heavy rains noted above occurred, after which the whole system moved south-eastwards over the North Sea and produced gales from the Northward and North-Westward in nearly all parts of the Kingdom. The gale experienced on the north-east coast of England was of exceptional severity.

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319 | 70 10 | 00

* This value has been altered slightly owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 253 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		*	*	*	*	*	*	*	*		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head ℳ	50	35	48·1	37·7	42·8	- 1·6	24	12	7	0·81	- 0·20	*	*	*	*
	Stornoway ℳ	55	34	50·1	39·9	44·9	+ 0·8	29	6	6	2·83	+ 1·65	14·0	- 3·7	22	- 4
	Wick ℳ	53	30	51·0	37·9	44·3	+ 0·2	33	11	6	0·63	- 0·12	*	*	*	*
	Lairg ℳ $	57	27	53·6	37·6	45·4	+ 2·6	42	12	6	0·72	- 0·16	*	*	*	*
	Glencarron $	53	32	49·0	39·4	44·1	+ 0·5	26	7	7	1·87	- 0·23	*	*	*	*
	Fort Augustus ℳ $	59	32	52·0	37·8	44·7	- 0·1	37	12	5	0·26	- 0·66	13·4	+ 2·1	20	+ 3
	Fort William ℳ $	56	34	52·0	39·6	45·6	+ 0·1	35	7	5	0·60	- 1·11	17·3	+ 1·4	26	+ 3
1. SCOTLAND, E.	Nairn ℳ	56	30	51·0	39·3	45·0	+ 1·1	32	8	5	0·25	- 0·27	*	*	*	*
	Aberdeen ℳ	56	31	50·6	39·1	44·7	- 0·2	31	8	5	0·62	- 0·03	17·4	- 3·6	26	- 4
	Braemar ℳ $	56	27	47·8	37·2	42·3	+ 1·1	22	13	5	0·21	- 0·74	12·8†	- 0·5†	19†	- 1†
	Ochtertyre ℳ $	62	35	54·3	39·3	46·6	+ 2·3	44	8	2	0·14	- 0·84	*	*	*	*
	Leith ℳ	60	36	53·9	41·7	47·6	+ 1·7	40	1	5	0·54	+ 0·13	*	*	*	*
	Marchmont $	58	31	51·0	38·1	44·4	+ 0·6	33	11	4	1·72	+ 0·98	11·5	- 6·9	17	-10
2. ENGLAND, N.E.	Alnwick Castle ℳ	61	34	53·1	41·0	46·9	+ 1·9	39	3	4	3·89	+ 3·22	*	*	*	*
	Durham ℳ	64	33	53·5	39·8	46·5	+ 1·9	41	6	3	2·13	+ 1·45	19·2	+ 0·7	28	+ 2
	Shields ℳ	63	32	52·3	40·0	46·0	+ 0·1	36	6	4	0·41	- 0·17	*	*	*	*
	Scarborough ℳ	63	38	56·6	41·6	48·9	+ 2·2	50	1	6	1·00	+ 0·27	20·9	?	31	?
	Spurn Head ℳ	59	38	53·0	43·7	48·2	+ 0·8	43	0	6	0·89	+ 0·34	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	60	37	53·1	39·9	46·3	+ 0·3	39	6	7	1·12	+ 0·51	10·4	- 9·6	15	-14
	Yarmouth ℳ	58	37	52·1	42·9	47·4	- 0·1	38	0	6	0·84	+ 0·14	*	*	*	*
	Geldeston ℳ	60	36	53·8	40·4	46·9	+ 0·1	41	4	5	0·84	+ 0·19	13·0	- 9·7	19	-11
	Cambridge ℳ	60	33	55·1	39·0	46·8	+ 0·3	46	8	5	0·28	- 0·26	16·6	- 5·4	24	- 6
	Felixstowe ℳ	58	37	52·8	42·0	47·2	- 0·1	36	0	5	0·64	?	13·8	?	20	?
	Rothamsted ℳ	58	35	52.6	41·0	46·6	+ 1·2	36	3	6	0·30	- 0·40	19·4	- 3·8	28	- 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) ℳ	60	34	52·9	40·4	46·5	+ 1·4	38	4	5	1·08	+ 0·48	*	*	*	*
	Loughborough ℳ	61	29	54·0	40·0	46·8	+ 0·8	42	6	3	0·55	- 0·07	*	*	*	*
	Cheadle ℳ	57	32	50·8	40·1	45·3	+ 0·5	31	5	6	0·84	+ 0·02	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	59	33	52·0	40·2	45·9	+ 1·5	35	5	5	0·62	- 0·07	14·9	?	22	?
	Churchstoke ℳ	60	29	52·8	39·7	46·1	+ 0·5	38	6	5	0·66	- 0·15	26·4	+ 6·9	38	+11
	Hereford (Belmont) ℳ	62	31	54·8	39·4	46·9	+ 0·8	45	7	3	0·34	- 0·24	*	*	*	*
	Cirencester ℳ	61	35	53·0	39·9	46·3	+ 1·2	39	6	5	0·49	- 0·24	20·0	- 1·8	29	- 1
	Oxford ℳ	60	35	54 0	41·1	47·4	+ 0·6	42	3	4	0·42	- 0·15	18·2	- 3·4	26	- 4
5. ENGLAND, S.	London ℳ	58	35	53·6	41·1	47·2	- 0·5	40	3	5	0·28	- 0·35	14·8†	- 2·0†	21†	- 1†
	Swarraton (Alresford) ℳ	57	33	52·6	40·6	46·4	+ 0·1	37	4	4	0·38	?	*	*	*	*
	Dungeness ℳ	61	36	54·9	42·1	48·3	- 1·1	44	0	5	0·43	- 0·35	21·4	?	31	?
	Hastings (St. Leonards) ℳ	59	37	53·8	41·9	47·7	- 0·9	40	0	3	0·74	- 0·16	24·4	- 0·6	35	0
	Southampton ℳ	61	37	55·8	41·4	48·4	0·0	47	2	4	0·28	- 0·52	19·8	- 4·2	28	- 5
	Portland Bill ℳ	60	38	55·7	46·0	50·7	+ 1·5	61	0	4	0·32	?	*	*	*	*
	Shaftesbury ℳ	57	35	52·3	40·9	46·4	+ 1·1	35	3	5	0·60	- 0·25	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart) ℳ	56	33	51·4	40·4	45·7	- 0·8	33	4	7	1·58	- 0·14	*	*	*	*
	Glasgow ℳ	56	35	50·8	41·0	45·8	+ 0·7	31	3	4	0·48	- 0·40	17·9	+ 3·7	27	+ 7
	Glenlee $	59	28	51·9	39·2	45·4	+ 0·6	36	8	3	0·38	- 0·99	*	*	*	*
	Douglas (Isle of Man) ℳ	59	33	54·0	40·8	47·2	+ 0·5	41	3	6	0·80	- 0·28	22·8	+ 1·8	34	+ 3
7. ENGLAND, N.W.	Newton Reigny ℳ	58	29	51·5	38·2	44·7	+ 0·2	35	11	3	0·58	?	10·5	?	15	?
	Stonyhurst ℳ	57	31	51·7	41·5	46·5	+ 1·4	34	1	6	2·08	+ 0·90	20·7	+ 3·7	30	+ 5
	Blackpool ℳ	57	32	53·0	42·4	47·5	+ 0·6	39	0	5	0·89	- 0·02	17·4	- 0·6	26	0
	Manchester (Prestwich) ℳ	56	32	52·1	41·5	46·6	+ 0·8	34	1	6	1·22	+ 0·34	16·5	?	24	?
	Liverpool Obsy. (Bidston) ℳ	57	38	52·1	43·3	47·6	+ 0·3	39	0	5	0·86	+ 0·11	18·2	?	26	?
	Llandudno ℳ	57	38	53·9	46·3	50·0	+ 1·3	56	0	5	1·32	+ 0·41	18·0	+ 1·0	26	+ 2
	Holyhead ℳ	60	41	52·7	45·1	48·8	- 0·1	48	0	5	0·58	- 0·43	*	*	*	*
8. ENGLAND, S.W.	Llandovery ℳ	57	25	54·0	37·1	45·3	- 0·6	44	14	6	1·27	- 0·01	*	*	*	*
	Pembroke ℳ	57	43	53·3	47·1	50·1	+ 1·2	57	0	3	0·64	- 0·31	23·7	+ 2·2	34	+ 3
	Clifton ℳ	60	35	54·0	42·6	48·1	+ 1·0	43	0	4	1·07	+ 0·24	*	*	*	*
	Arlington (N. Devon) ℳ	58	33	53·4	42·0	47·5	+ 0·4	39	0	5	1·47	- 0·03	*	*	*	*
	Cullompton ℳ	61	30	55·9	40·5	48·0	+ 2·5	48	4	5	0·41	- 0·49	20·7	+ 0·7	30	+ 3
	Falmouth ℳ	60	37	54·3	45·7	49 9	+ 0·1	55	0	4	0·52	- 0·75	25·0	- 0·5	36	0
	Plymouth ℳ	60	37	55·5	45·2	50·2	+ 0·8	57	0	4	0·31	- 0·52	23·0	- 0·2	33	0
9. IRELAND, N.	Malin Head ℳ	54	40	51·4	46·3	48·8	+ 1·1	48	0	5	0·19	?	*	*	*	*
	Londonderry ℳ	57	37	52·1	42 9	47·4	+ 1·4	38	0	7	1·39	+ 0·39	*	*	*	*
	Edenfel (Omagh) ℳ	56	35	51·4	42·7	46·9	+ 2·6	34	0	4	0·67	- 0·18	*	*	*	*
	Blacksod Point ℳ	57	40	53·3	45·9	49·5	+ 0·2	53	0	5	0·78	?	*	*	*	*
	Markree Castle ℳ	58	39	53·2	43·4	48·2	+ 2·7	43	0	5	1·25	+ 0·20	15·1	- 4·7	22	- 6
	Armagh ℳ	58	34	53·8	41·2	47·4	+ 2·3	41	2	4	0·42	- 0·30	19·3	+ 1·3	28	+ 1
	Donaghadee ℳ	60	36	54·0	42·6	48·1	+ 1 4	43	0	6	0·25	- 0·57	*	*	*	*
10. IRELAND, S.	Dublin ℳ	61	37	54·9	43·3	48·9	+ 1·2	48	0	4	0·35	- 0·39	28·0	+ 5·0	41	+ 8
	Parsonstown ℳ	59	36	53·6	43·3	48·3	+ 2·0	44	0	3	0·48	- 0·16	20·5	+ 0·5	30	+ 1
	Kilkenny ℳ	61	31	54·7	41·1	47·7	+ 1·1	44	3	5	0·50	- 0·28	*	*	*	*
	Roche's Point ℳ	58	40	54·6	45·7	50·0	+ 0·4	56	0	2	0·16	- 0·34	*	*	*	*
	Valencia ℳ	58	43	55·1	47·4	51·1	+ 1·2	64	0	5	0·52	- 0·84	19·5	- 2·9	28	- 3
	Killarney ℳ	59	41	55·2	46·1	50·5	+ 2·2	60	0	5	0·35	?	*	*	*	*
	Foynes ℳ	56	42	53·5	47·0	50·2	+ 3·2	57	0	6	0·92	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) ℳ	59	47	57·0	48·9	52·8	+ 1·1	76	0	4	0·20	- 0·61	27·9	+ 0·9	40	+ 3
	Jersey ℳ	59	44	56·0	48·1	51·9	+ 0·5	69	0	4	0·91	- 0·19	16·5	-10·5	24	-13

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society.

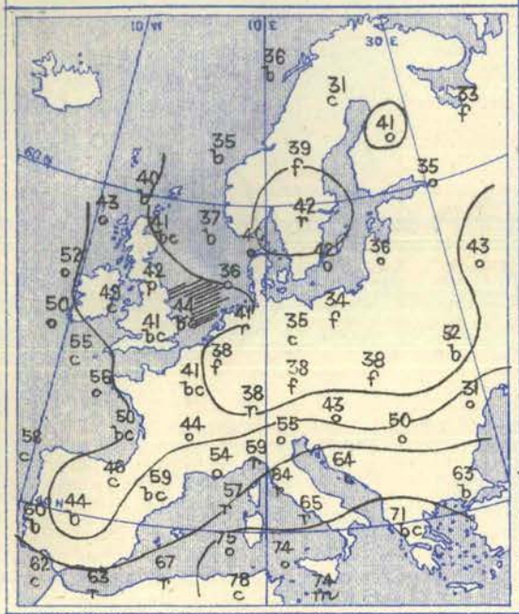
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

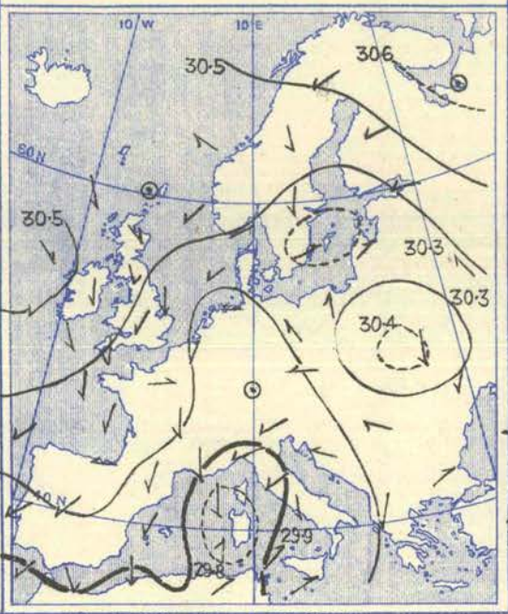
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 21st October.

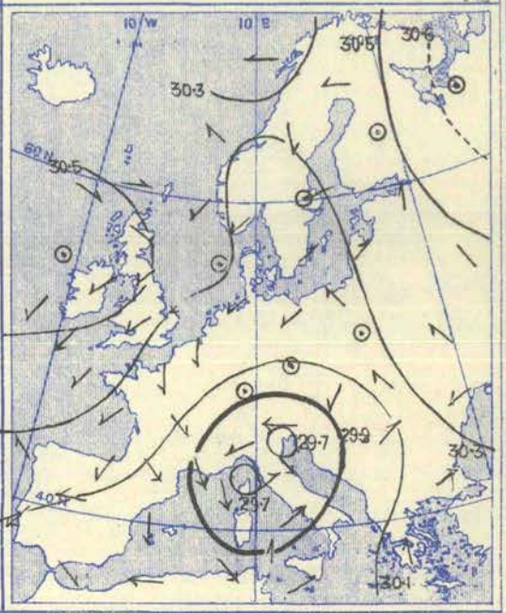
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over our Islands and also on the eastern shores of the North Sea, but cloudy or dull over the Continent generally, with rain over the Gulf of Finland, and also at several of the Mediterranean Stations. Fog reported in several parts of central Europe. Rain falling later at several stations in the east and south of England as well as over northern and southern Europe, the amounts measured at Rome and Pesaro being as much as 1·50 ins. and 1·06 ins. respectively. Rather more than an inch also falling locally at Cape Gris Nez.

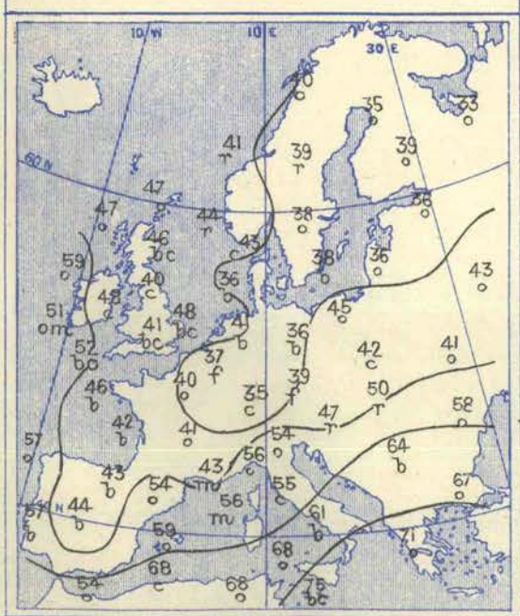
Temperature fallen at several English stations, but changed irregularly elsewhere. Morning readings highest, 78° at La Calle, 75° at Cagliari, 74° at Palermo and Malta, and 71° at Athens and Patras. Lowest, 28° at Varsovie, 31° at Haparanda, 33° at Archangel, 35° at St. Petersburg, Berlin and Frankfürt; lowest in our Islands, 38° at Wick and Loughborough, and 39° at Oxford. Daily maxima low over our Islands generally, but thermometer rising to above 70° at several Mediterranean stations, and reaching 82° at Malta, and 86° at Palermo.

Wind light to moderate from East or North-East over Scandinavia and Denmark, and from the Northward or North-Westward over our Islands, France, and the Netherlands. A cyclonic circulation shown over the Mediterranean, but light variable breezes prevailing elsewhere. Little change occurring later, but Northerly winds freshening on our east and south-east coasts.

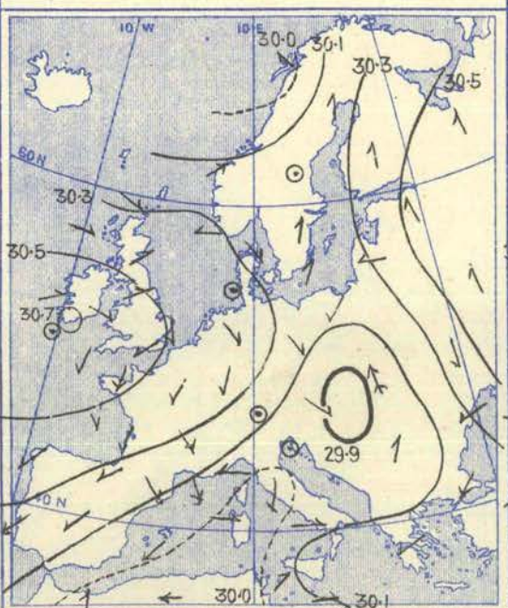
Barometer highest, 30·6 ins. and upwards over northern Russia, 30·5 ins. and upwards off the west of Ireland, and 30·4 ins. and more in another anticyclone over Poland and south-western Russia. Lowest, 29·8 ins. and less in a rather deep depression over the Mediterranean, and 30·2 ins. and less in a shallow low pressure system over the south of Sweden and the Gulf of Bothnia. Depression in south moving somewhat to the north-eastward later. No important change elsewhere.

Monday, 22nd October.

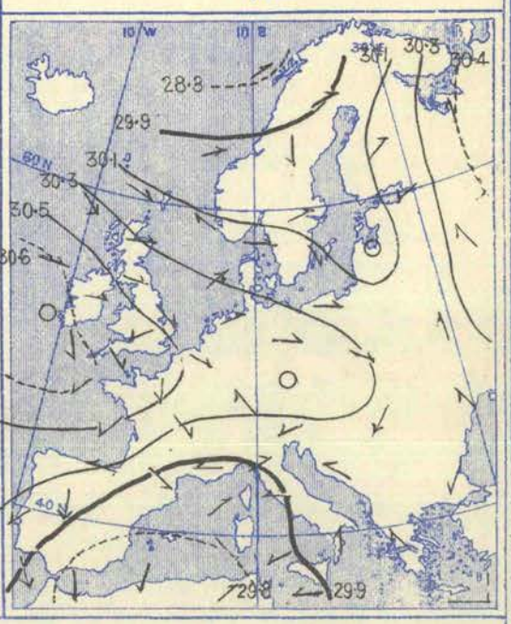
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over our Islands, and also over Germany and southern Europe, but cloudy or dull elsewhere, with rain over the western and northern parts of Scandinavia, and in Austria; fog reported at Prague. Rain falling later at several of our western and northern stations, and also over Algeria and Italy; as much as 1·50 in. at Nemours. Heavy rain also reported again from Cape Gris Nez.

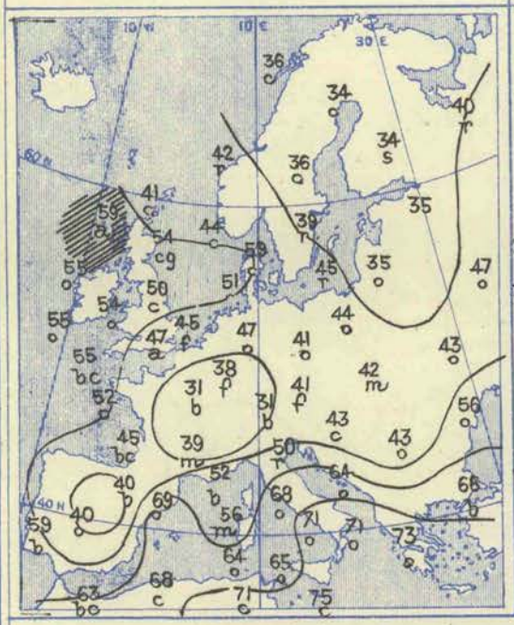
Temperature risen in Ireland and Scotland, but fallen at several Continental stations. Morning readings highest, 75° at Malta, 72° at Sfax, 71° at Athens and Patras, and 68° at Algiers, La Calle and Palermo, and 67° at Constantinople. Lowest, 33° at Archangel, 35° at Kuopio and Munich, and 36° at Berlin and Belfort; lowest in our Islands, 33° at Loughborough, and 37° at Oxford. Daily maxima above 50° over our Islands generally, but only reaching 49° in London. Thermometer exceeding 70° over southern Europe, and reaching at Palermo, Malta, Algiers and La Calle.

Wind backed to the Westward or South-Westward on all our northern coasts, and at many of the Scandinavian stations, but remaining North or North-East over the southern parts of the United Kingdom, and in France, Germany and the Netherlands. Cyclonic circulations shown over the Mediterranean and also in Austria, with a fresh Southern gale at Lemberg. Winds veering to the North-Westward on our north-west coasts later.

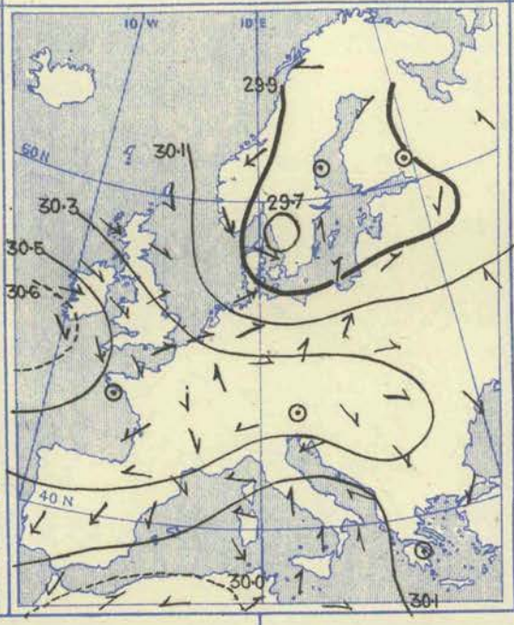
Barometer falling at all our northern stations, but rising over France and Germany. Highest, 30·7 ins. over the south of Ireland, and 30·5 ins. and upwards in an anticyclone over central Russia. Lowest, 29·9 ins. and less in a rather deep depression over Austria, 30·0 ins. and less over southern Europe, and 30.1 ins. and less in a shallow system off the north of Norway, Northern depression travelling northwards later, that over Austria dispersing.

Tuesday, 23rd October.

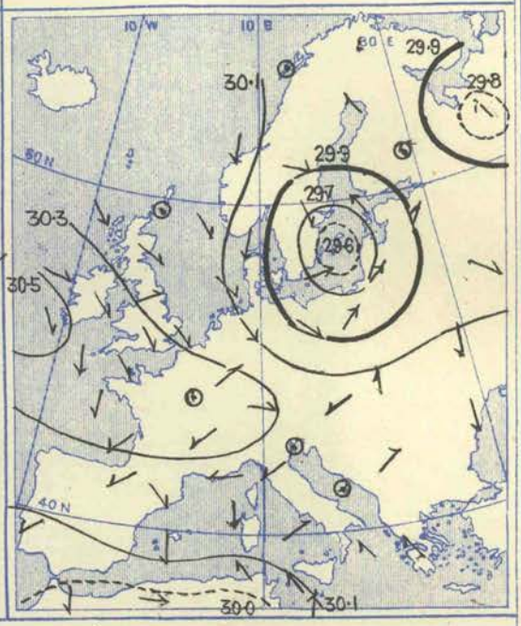
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy generally over Scotland, and the northern parts of Ireland and England, and rainy locally in many other parts of England; fine, but foggy in places over France, very changeable over the northern parts of Europe, with snow and rain in places; rain later to a measurable amount over the northern parts of our Islands, larger quantities over central Europe and the Baltic, and a considerable fall (1·3 in.) at Stockholm.

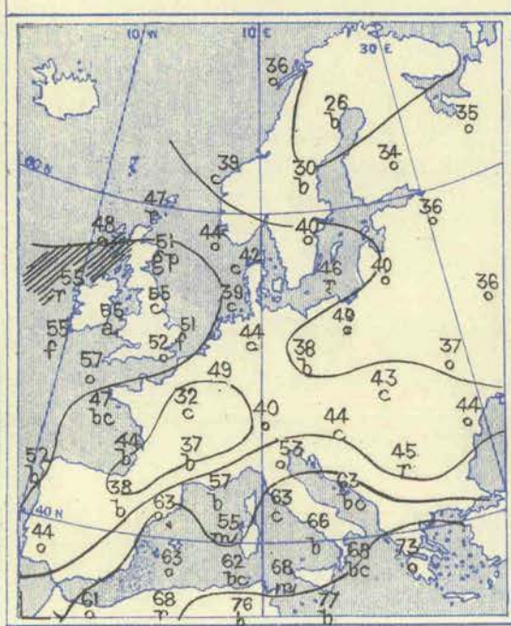
Temperature risen greatly over the United Kingdom and the North Sea, but fallen over France. Morning readings highest, 71° at Tunis and La Calle, varying from 55° to 59° over our western and northern districts and the German Ocean to 34° over Finland, and to 31° at Paris, but as high as 49° to 43° over the southern and central parts of Russia, 40° at Madrid. Rising later to between 55° and 60° over Great Britain as a whole, and to 64° at Brest, to 72° at Nice, 74° at Malta, 82° at La Calle, 86° at Tunis; not exceeding 53° at Paris.

Wind (1) strong from between North and East in the north-west of Norway and from South-West over the Baltic, from West over the eastern shores of the North Sea, and moderate from between North and West in the British Islands. (2) Light from the Eastward over the greater part of southern Europe, Westerly on the coasts of Algeria, South-Westerly in Sicily. Becoming more Northerly later on the eastern shores of the North Sea; not much change elsewhere.

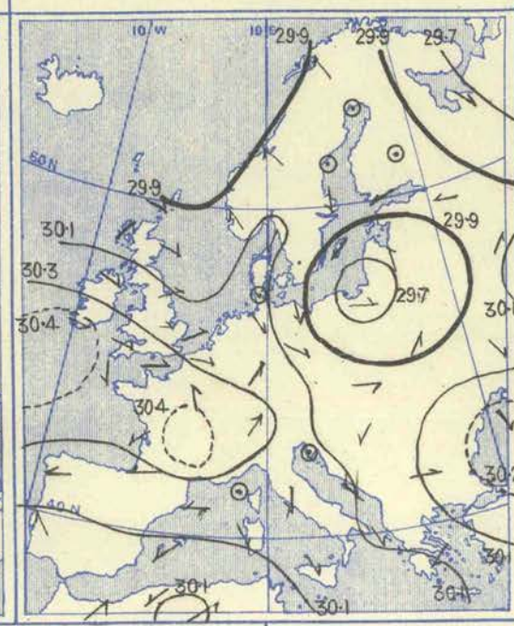
Barometer highest, 30·60 ins. at Valencia, and exceeding 30·2 ins. all over our Islands, France, the central and southern parts of Germany, and the south of Russia. Lowest (1), 29·7 ins. and less in a depression over the south of Sweden, and 29·8 ins. and less in another over the south of Lapland; (2) 30·0 and less over Algeria. Falling generally later; depression over Lapland moving to the White Sea, that over Sweden moving east and becoming much deeper.

Wednesday, 24th October.

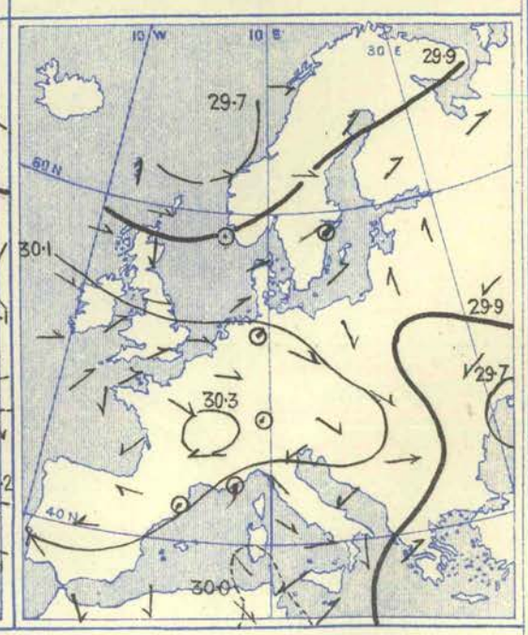
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy with fog or mist in some places, and with rain at several of our northern and north-western stations, and also over the Baltic Provinces, and at Hermanstadt and Pragne. Rain falling later over our Islands, Scandinavia, and some parts of Russia, and also locally at the Helder, where 1·18 ins. was measured.

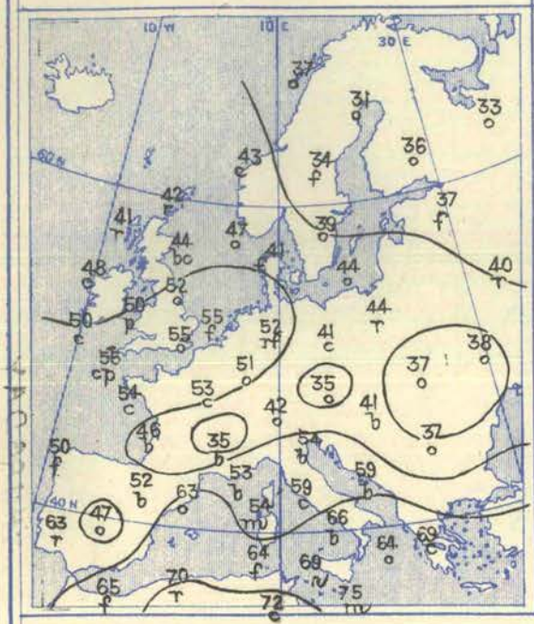
Temperature changed irregularly, but risen somewhat over England. Morning readings highest, 77° at Malta, 76° at La Calle, 73° at Athens and 72° at Sfax, above 60° at the Mediterranean and Spanish coast stations generally. Lowest, 26° at Haparanda, 28° at Belfort, 32° at Paris and Lemans, and 36° at Moscow and St. Petersburg. Daily maxima exceeding 60° over many parts of England, rising to above 70° at most southern European stations, and reaching 80° at several Algerian stations.

Wind backed to the Westward or South-Westward in most parts of the United Kingdom, but over the greater part of the Continent Northerly to Easterly breezes prevailed. Over the Baltic Provinces, however, a cyclonic circulation was shown. Westerly breezes spreading later to Denmark and the west of Scandinavia, little change occurring elsewhere.

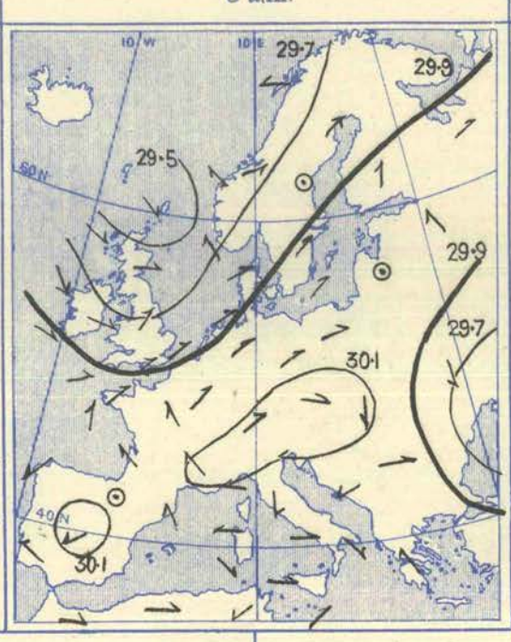
Barometer highest, 30·4 ins. and upwards in two areas, one lying off the south of Ireland, the other over central France, and 30·2 ins. and upwards in another anticyclone over the Black Sea. Lowest, 29·7 ins. and less in a well-marked depression over the Baltic Provinces, and 29·9 ins. and less in a large but shallow low pressure system off the west of Norway. Depression off Norwegian coast moving north-eastwards later, that over the Baltic apparently dispersing.

Thursday, 25th October.

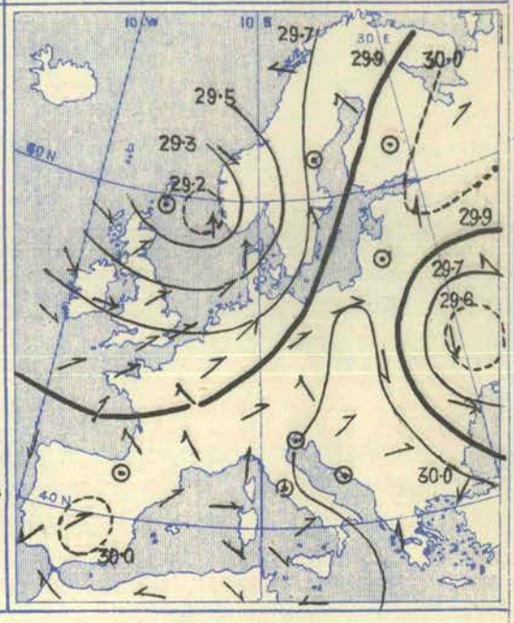
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair, but cloudy over the Mediterranean and central Europe; very dull, close and rainy over Great Britain, less cloudy in Ireland. Rain later almost all over western and northern Europe, hail in places; lightning but less rain in several parts of Ireland, Aurora in Scotland.

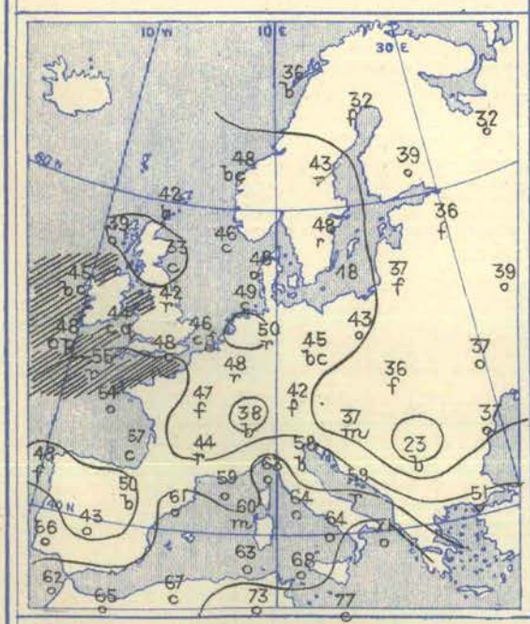
Temperature fallen several degrees over Ireland and Scotland, risen over France. Morning readings highest, 75° at Malta, 70° at Algiers, 59° on the west coast of Italy, 57° at Scilly, 53° in London. Lowest (1), 31° at Uleaborg, 33° at Archangel, 40° at Moscow; (2) 44° to 41° in Scotland; (3) 35° at Lyons, 39° at Belfort. Rising later to between 50° and 58° over England, to 61° at Brussels and Paris to 65° at Perpignan, 73° at Brindisi, and 84° at Malta.

Wind (1) very light and variable over nearly all the southern countries of Europe, but moderate Easterly to Northerly in the south of Russia. (2) North-Westerly fresh in Ireland, South-Westerly moderate over the North Sea, South-Easterly and Easterly in Norway. (3) South-Westerly over northern Europe. The North-Westerly wind becoming still stronger at our western stations later, and wind in the English Channel increasing from West.

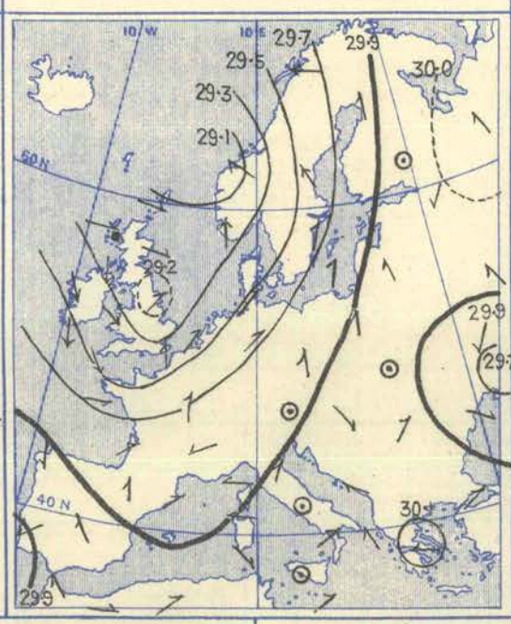
Barometer highest, 30·1 ins. and more over Austria and the south-east of France, and exceeding 30·0 ins. all over the southern countries, and in a band stretching north-eastward over Germany, the Baltic and western Russia. Lowest, 29·5 ins. and less (1) in a depression over the south of Russia; (2) in another over the Shetlands and north of Scotland, whence also a secondary spread southwards over England. Latter depression reaching Norway later, and barometer falling all day.

Friday, 26th October.

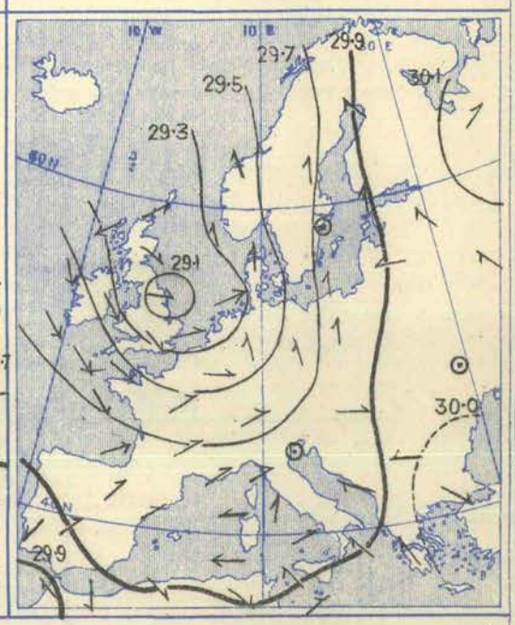
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy and very unsettled over England and Ireland (exceedingly close over England), fine, but not settled in Scotland; very changeable over the Continent as a whole. Rain later in almost every part of western and northern Europe—but the largest quantities reported by wire (in morning) were 0·64 ins. at Spurn Head and 0·75 in. at Faerder. A singularly local and severe storm of wind, rain and sleet occurred over Northumberland and Durham at night—more than 3 ins. of rainfall occurring at Morpeth and Seaham.

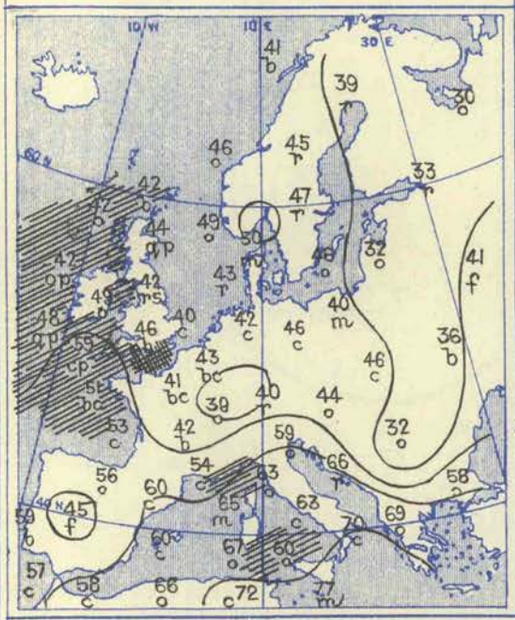
Temperature fallen briskly over the British Isles generally, risen fast over Scandinavia and the southern half of France—frost occurring temporarily in Scotland. Morning readings highest, 77° at Malta, 73° at Tunis, 71° at Brindisi, and above 60° at most of the Mediterranean stations; 59° at Lesina, 53° to 55° on the south coast of England, and on our own south coast. Lowest, (1) 32° at Archangel and Haparanda, 39° at Kuopio; (2) 33° to 35° over the greater part of Scotland, 39° at Stornoway. Not exceeding 56° at any of our stations later, and falling to between 30° and 33° over the north-east of Great Britain at night.

Wind (1) light and exceedingly variable over southern Europe, but (2) strong from North in Ireland, very strong from North-West in Wales and the west of England; Southerly over our eastern counties, the North Sea and south of Scandinavia, Easterly in the north-west of Norway. Severe (but temporary) Northerly storms over the north-east of England at night, and very strong Westerly to North-Westerly winds in the English and Irish Channels.

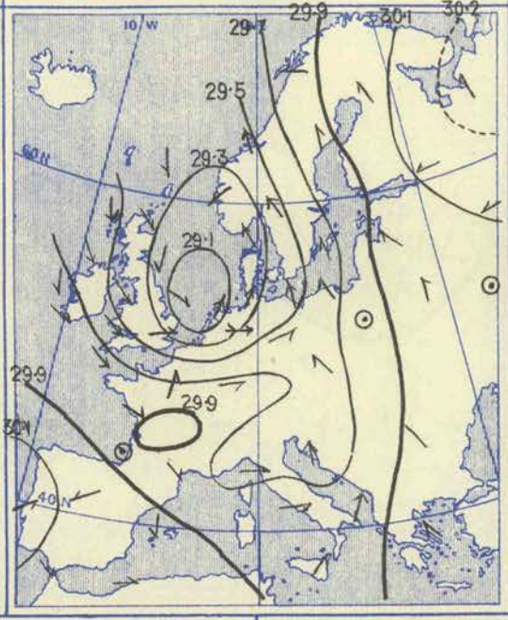
Barometer highest, 29·9 ins. and more over the Mediterranean and in a band stretching north-eastward over central Europe; (2) 30·0 ins. and more over the north of Russia. Lowest, (1) 29·7 ins. and less over the south of Russia; (2) 29·1 ins. and less over the west of Norway; (3) 29·2 ins. and less over the north of England. Singular development in the latter low-pressure system later on, a reading as low as 28·4 ins. being reported at Morpeth at 11.0 p.m.

Saturday, 27th October.

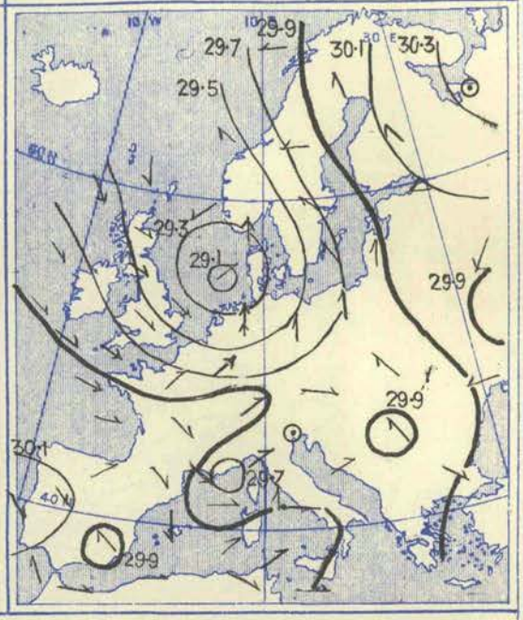
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine (1) over the southern half of Russia, in Poland and Hungary; (2) over Spain; very fair over the Bay of Biscay and the extreme south-west of our Islands. Changeable and squally over England and the east of Scotland—clear at intervals, but passing showers at times. Dull and rainy over Scandinavia and the Baltic. Some rain later over many parts of our Islands and the eastern shores of the North Sea. Sporadic falls over France (0·78 ins. at Biarritz).

Temperature risen considerably over central Europe, as well as (fitfully) in the north and west of the United Kingdom, fallen over the east of England and the North Sea. Morning readings highest, 70° at Brindisi, and above 60° over the greater part of the Mediterranean; 53° at Jersey and Scilly. Lowest, 30° at Archangel, 33° at St. Petersburg, 40° to 41° over the Gulf of Finland, 41° at Bodö. Rising later to between 50° and 56° over Ireland, England and Germany, to 59° at Rochefort, 72° at Nice and in the Azores.

Wind light and anticyclonic over south-western Europe and also in the north of Russia. Very strong from North-West and West over England and the English Channel, from South-West over the Netherlands, and from South and South-East over Denmark and Norway; South-Easterly light over Finland. Subsiding a little over north-western Europe later, and remaining light in the South-West.

Barometer highest, (1) 30·15 ins. at Lisbon, and exceeding 29·9 ins. all over Spain; (2) 30·25 ins. at Archangel, and exceeding 30·0 ins. all over Russia, and 29·9 ins. over the southern parts. Lowest, 29·0 ins. over the southern part of the North Sea—gradients steep over England, and also over Scandinavia. Rising later all over our Islands; depression moving north-east to the coast of Holstein, and beginning to fill up.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

At the beginning of this week pressure was highest (30·6 ins. and more to 30·3 ins.) over Russia and (30·5 ins. and more) over the western parts of Ireland, while it was low (29·8 ins. and less) over the Mediterranean, the western parts of Germany, and the Baltic. Gradually the western high pressure system moved southward and eastward, while depressions which appeared over Norway and Sweden moved to the Baltic and north Germany. The barometer fell fast subsequently all over the British Islands, as well as in the south of Russia, and on Friday night a depression (small, but very intense) was developed over the north of England, causing exceptionally heavy rains, some snow and Northerly gales, after which it, too, passed on to the Baltic. The week closed with a temporary improvement in the weather over western Europe.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 254.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	20·2	?	31	?	BRIGHTON	16·6	- 9·2	24	-13
STRATHPEFFER SPA	14·5	- 4·7	22	- 7	WORTHING	18·7	?	27	?
EDINBURGH	15·3	- 2·9	23	- 2	BOGNOR	15·9*	?	23*	?
MORPETH	22·2	?	33	?	WATERGATE (Emsworth)	17·5	?	25	?
NEWCASTLE-ON-TYNE	15·8	?	23	?	WESTBOURNE (Emsworth)	16·7*	- 6·3	24*	- 8
OSWALDKIRK (Yorkshire)					VENTNOR HOSPITAL	20·9	?	30	?
YORK					SOUTHPORT	23·3	?	34	?
LOWESTOFT	14.0	?	20	?	RHYL	20·2*	?	29*	?
HOLLESLEY BAY	13·5	?	20	?	COLWYN BAY	15·5	?	22	?
SHEFFIELD	23·1	?	33	?	ABERDOVEY	17·8*	?	26*	?
WORKSOP	15·3	- 2·1	22	- 2	TENBY	28·2	+ 5·6	41	+10
THURCASTON (Leicestershire)	20·0	+ 1·5	29	+ 3	NEWQUAY				
MARGATE	13·7	- 8·7	20	-11	TORQUAY	30·0	+ 7·5	43	+12
EASTBOURNE	23·5	- 0·5	34	0	GUERNSEY	10·3*	-13·4	15*	-18

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 44.] *Third Series* WEEK ENDING SATURDAY, NOVEMBER 3RD, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 260.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	62	29	52·7	40·9	46·6	4 above	37	+11	3	− 9	2028	+155	675	+ 10
	1. SCOTLAND, EAST	60	27	52·4	37·8	44·9	2 above	38	+10	12	− 3	2191	− 65	741	+ 42
	2. ENGLAND, N.E.	62	33	53·5	42·5	47·9	3 above	41	+ 9	0	− 8	2574	+130	527	− 42
	3. ENGLAND, EAST	65	36	56·0	46·0	50·9	6 above	62	+23	0	−10	3059	+234	537	−106
	4. MIDLAND COUNTIES	65	35	55·7	45·4	50·4	6 above	59	+23	0	−12	2879	+ 79	580*	− 77
	5. ENGLAND, SOUTH	65	37	57·3	48·3	52·6	6 above	74	+29	0	− 6	3229	+157	389	−106
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	58	35	53·0	42·7	47·7	3 above	40	+ 6	0	−10	2433	+ 56	518	+ 27
	7. ENGLAND, N.W.	61	36	54·8	45·2	49·9	4 above	55	+18	0	− 6	2705	+101	453	− 23
	8. ENGLAND, S.W.	64	30	57·0	47·9	52·3	6 above	72	+26	0	− 3	3030*	+150	336	− 35
	9. IRELAND, NORTH	67	30	54·4	43·1	48·6	3 above	46	+ 9	0	− 7	2559	+ 55	424	+ 10
	10. IRELAND, SOUTH	63	30	57·2	46·5	51·7	5 above	68	+23	0	− 6	2958	+122	374	+ 56
	—CHANNEL ISLANDS	63	47	59·7	53·0	56·3	6 above	100	+34	0	0	3731	+434	97	− 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 260.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	11	1 less	213	+11	42·0	+ 1·9	11	− 3	17	− 4	1042	+ 33	26	+ 1
	1. SCOTLAND, EAST	4	9	2 more	178	+12	28·8	+ 2·4	16	0	26	0	1105	− 96	28	− 2
	2. ENGLAND, N.E.	5	7	0 (average)	153	− 2	26·1*	+ 4·3	13	− 3	21	− 4	1149*	− 48	29	− 1
	3. ENGLAND, EAST	5	8	2 more	150	− 2	20·8	− 0·7	18	− 4	28	− 3	1583	+ 81	38	+ 2
	4. MIDLAND COUNTIES	6	10	4 more	146*	− 2	23·9	+ 0·1	11	− 8	16	−10	1323*	+ 86	35	+ 2
	5. ENGLAND, SOUTH	5	13	5 more	134	−10	21·3	− 2·6	16	− 5	24	− 6	1650	+129	41	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	16	3 more	193	+20	47·3	+ 5·0	9	− 7	15	− 9	1239	− 32	31	− 1
	7. ENGLAND, N.W.	6	13	4 more	165	+ 4	31·6	+ 2·6	10	− 6	16	− 8	1418	+112	35	+ 3
	8. ENGLAND, S.W.	6	19	8 more	168	+ 5	34·3	+ 0·9	6	−15	8	−21	1636	+ 90	42	+ 3
	9. IRELAND, NORTH	5	12	3 more	199	+11	31·9	+ 2·3	10	− 8	16	−11	1240	+ 65	31	+ 1
	10. IRELAND, SOUTH	6	18	9 more	174	+ 5	35·9	+ 3·8	6	−14	9	−21	1368	+ 31	35	+ 1
	— CHANNEL ISLANDS	7	5	4 less	171	0	24·1	− 2·8	11	−11	16	−14	1841	+129	49	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was dull, mild and rainy in all parts of the Kingdom, the rainfall, in most cases, being rather large.

Temperature was above the mean in all districts, the excess ranging from 2° in Scotland E. to as much as 6° in most parts of England, and in the Channel Islands. The highest of the maxima were registered during the middle or latter part of the week, and ranged from 67° in Ireland N., and 65° over southern, central and eastern England, to 58° in Scotland W. The lowest of the minima occurred during the earlier half of the week, and varied from 27° in Scotland E. and 29° in Scotland N., to 37° in England S. and to 47 in the Channel Islands.

Rainfall was more than the mean generally, but only just equal to it in England N.E., and less than the normal both in Scotland N. and the Channel Islands. In Ireland S. the fall was twice as great as the mean amount.

Bright Sunshine was deficient in almost all parts of the Kingdom. The percentage of the possible amount ranged from 28 in England E. and 26 in Scotland E., to 9 in Ireland S. and 8 in England S.W.

Barometer and Wind.—The general distribution of barometric pressure during this period was cyclonic, and several depressions—none of them very large or deep—passed eastwards or north-eastwards over our Islands. One of these systems, after moving eastwards in the form of a "V"-shaped disturbance on Thursday, developed a separate centre over the south-east of England, and caused the wind, which had hitherto been South-Westerly very generally and moderate to fresh in force, to shift to the North-Eastward and Northward on our eastern and south-eastern coasts. By the end of the period this depression was dispersing over the Continent, while a broad band of high pressure extended south-westwards from Scandinavia and embraced the North Sea, England, the Channel and the north of France.

* This value has been altered owing to the receipt of further information for a preceding week.

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II.—DATA from which the SUMMARY on page 259 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	51	36	48·7	40·9	44·7	+ 1·1	24	3	6	1·54	+ 0·52	*	*	*	*
	Stornoway	56	34	52·0	41·0	46·3	+ 2·9	34	3	6	1·61	+ 0·43	16·0	+ 0·2	26	+ 1
	Wick	62	32	53·0	39·7	46·2	+ 3·3	39	6	5	0·51	− 0·27	*	*	*	*
	Lairg §	59	29	54·7	38·5	46·4	+ 4·7	46	10	6	1·18	+ 0·31	*	*	*	*
	Glencarron §	59	34	52·3	42·1	47·0	+ 4·5	35	0	7	1·60	− 0·57	*	*	*	*
	Fort Augustus §	61	31	54·3	39·8	46·8	+ 3·1	43	6	4	0·44	− 0·30	9·4	0·0	15	0
	Fort William §	59	36	51·1	44·0	48·9	+ 4·6	48	0	6	0·94	− 0·77	6·4	− 7·1	10	−11
1. SCOTLAND, E.	Nairn	60	32	54·3	38·3	46·1	+ 3·4	44	10	4	0·89	+ 0·39	*	*	*	*
	Aberdeen	59	33	52·4	38·3	45·1	+ 1·6	37	10	4	0·51	− 0·14	20·1	+ 0·7	32	+ 3
	Braemar §	54	27	49·4	36·6	42·8	+ 2·9	28	15	4	0·43	− 0·53	15·2†	+ 4·7†	24†	+ 7†
	Ochtertyre §	56	31	52·3	37·7	44·8	+ 1·9	38	12	5	1·35	+ 0·36	*	*	*	*
	Leith	58	33	53·9	39·3	46·4	+ 1·7	42	8	4	1·08	+ 0·68	*	*	*	*
	Marchmont §	59	32	51·9	36·7	44·1	+ 1·7	37	15	4	0·86	+ 0·12	17·8	+ 1·0	28	+ 2
2. ENGLAND, N.E.	Alnwick Castle	58	33	52·6	40·8	46·5	+ 2·7	37	3	2	0·60	− 0·07	*	*	*	*
	Durham	55	35	52·3	41·2	46·6	+ 3·5	36	2	5	0·93	+ 0·25	13·9	− 2·9	22	− 3
	Shields	57	36	52·6	41·1	46·7	+ 1·8	37	3	3	0·61‡	+ 0·04‡	*	*	*	*
	Scarborough ℳ	59	38	54·2	43·1	48·5	+ 3·1	46	0	6	0·95	+ 0·23	12·9	?	20	?
	Spurn Head	55	40	53·2	44·7	48·9	+ 2·8	48	0	6	0·33	− 0·22	*	*	*	*
	Fulbeck (Lincolnshire)	62	37	55·9	44·2	49·9	+ 6·3	55	0	6	0·63	?	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	64	36	55·6	45·6	50·5	+ 5·9	60	0	6	0·52	− 0·08	14·3	− 3·5	22	− 5
	Yarmouth	58	38	54·1	45·4	49·6	+ 3·7	53	0	4	0·50	− 0·20	*	*	*	*
	Geldeston	65	37	56·5	46·1	51·2	+ 5·7	64	0	5	0·51	− 0·13	20·6	+ 0·6	31	+ 4
	Cambridge	65	36	57·3	46·4	51·7	+ 6·7	68	0	5	1·16	+ 0·63	17·0	− 3·0	26	− 2
	Felixstowe	59	38	56·1	46·6	51·2	+ 5·3	64	0	5	0·86	?	24·3†	?	37†	?
	Rothamsted	62	38	56.5	46·1	51·1	+ 7·2	64	0	6	1·46	+ 0·76	12·5	− 8·5	19	−11
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	61	36	54·9	43·6	49·1	+ 5·3	50	0	5	0·76	+ 0·19	*	*	*	*
	Loughborough	64	39	56·9	46·0	51·3	+ 6·5	65	0	6	0·51	− 0·09	*	*	*	*
	Cheadle ℳ	65	35	55·5	43·9	49·5	+ 6·1	53	0	6	0·82	+ 0·01	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	60	38	54·6	47·1	50·7	+ 7·4	61	0	5	0·80	+ 0·12	11·9	?	18	?
	Churchstoke ℳ	59	36	55·0	45·9	50·3	+ 6·0	58	0	6	1·51	+ 0·68	16·6	− 1·1	25	0
	Hereford (Belmont) ℳ	61	35	56·3	44·3	50·1	+ 5·1	57	0	6	1·06	+ 0·48	*	*	*	*
	Cirencester	61	35	55·7	46·0	50·7	+ 6·8	61	0	6	1·42	+ 0·68	9·2	−10·8	14	−15
	Oxford	63	38	56·6	46·6	51·5	+ 6·2	67	0	5	1·24	+ 0·70	10·0	− 9·7	15	−13
5. ENGLAND, S.	London	65	37	57·9	46·3	51·9	+ 5·6	69	0	4	1·00	+ 0·37	9·6†	− 5·4†	15†	− 5†
	Swarraton (Alresford) ℳ	61	37	56·3	47·2	51·6	+ 6·6	67	0	5	1·56	?	*	*	*	*
	Dungeness	61	39	57·3	48·7	52·9	+ 5·0	76	0	4	1·62	+ 0·84	19·6	?	29	?
	Hastings (St. Leonards)	61	38	57·1	49·0	52·9	+ 5·5	76	0	5	1·19	+ 0·31	15·2	− 6·8	23	−10
	Southampton	62	38	58·7	49·7	54·1	+ 7·1	85	0	6	1·20	+ 0·40	11·9	− 9·6	18	−13
	Portland Bill	61	48	58·1	50·6	54·2	+ 6·2	85	0	6	0·78	?	*	*	*	*
	Shaftesbury ℳ	59	39	55·7	46·4	50·9	+ 6·8	62	0	6	1·48	+ 0·66	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	58	36	53·8	42·4	47·9	+ 2·7	41	0	7	1·42	− 0·37	*	*	*	*
	Glasgow	57	37	52·0	43·0	47·4	+ 3·3	38	0	4	1·23	+ 0·35	8·8	− 3·7	14	− 4
	Glenlee §	57	35	52·6	41·1	46·7	+ 3·2	37	3	7	2·21	+ 0·81	*	*	*	*
	Douglas (Isle of Man)	58	38	53·5	44·4	48·8	+ 3·1	48	0	6	1·66	+ 0·56	9·9	− 8·9	15	−14
7. ENGLAND, N.W.	Newton Reigny	61	36	52·4	38·6	45·3	+ 2·3	37	10	7	0·97	?	9·3	?	15	?
	Stonyhurst	59	40	53·1	43·9	48·4	+ 4·6	45	0	6	1·87	+ 0·72	10·7	− 4·1	16	− 6
	Blackpool ℳ	61	42	56·1	45·7	50·8	+ 5·1	62	0	5	1·45	+ 0·37	6·9	− 8·5	11	−12
	Manchester (Prestwich)	61	38	54·7	44·3	49·4	+ 4·7	52	0	6	1·94	+ 1·09	7·7	?	12	?
	Liverpool Obsy. (Bidston)	58	43	55·3	47.1	51·1	+ 5·2	64	0	6	0·83	+ 0·13		?		?
	Llandudno ℳ	61	45	56·3	49·1	52·6	+ 5·2	74	0	6	0·95	+ 0·05	10·6	− 5·1	16	− 6
	Holyhead	61	43	55·6	47·9	51·6	+ 3·8	67	0	7	1·08	+ 0·06	*	*	*	*
8. ENGLAND, S.W.	Llandovery	64	30	58·0	42·7	50·1	+ 5·3	57	0	7	1·76	+ 0·48	*	*	*	*
	Pembroke	58	47	56·6	51·3	53·9	+ 5·1	83	0	5	1·85	+ 0·90	3·9	−15·2	6	−23
	Clifton	60	41	56·1	48·2	52·0	+ 6·2	70	0	6	2·05	+ 1·23	*	*	*	*
	Arlington (N. Devon)	59	40	55·3	46·3	50·7	+ 4·9	61	0	6	4·02	+ 2·50	*	*	*	*
	Cullompton ℳ	62	34	57·9	44·8	51·2	+ 6·9	64	0	6	1·81	+ 0·92	5·5	−12·7	8	−17
	Falmouth	59	45	57·4	50·7	54·0	+ 5·3	84	0	7	0·91	− 0·37	8·2	−15·0	12	−22
	Plymouth	60	44	57·6	51·5	54·5	+ 6·1	88	0	6	0·93	+ 0·11	4·6	−16·6	7	−21
9. IRELAND, N.	Malin Head	58	39	53·9	46·0	49·8	+ 3·2	55	0	2	0·17	?	*	*	*	*
	Londonderry	67	36	55·4	43·2	49·1	+ 4·3	50	0	5	0·87	− 0·13	*	*	*	*
	Edenfel (Omagh)	58	30	53·6	39·9	46·6	+ 3·3	41	6	6	1·43	+ 0·58	*	*	*	*
	Blacksod Point	59	36	55·7	44·6	50·0	+ 1·9	56	0	7	1·75	?	*	*	*	*
	Markree Castle	60	30	54·4	42·6	48·3	+ 3·8	44	0	6	1·07	+ 0·02	6·3	−11·9	10	−17
	Armagh	62	34	54·4	43·7	48·9	+ 4·9	48	0	5	1·22	+ 0·49	13·5	− 2·7	21	− 5
	Donaghadee	56	33	53·6	41·7	47·5	+ 2·2	40	1	6	1·54	+ 0·71	*	*	*	*
10. IRELAND, S.	Dublin	63	37	56·5	47·3	51·8	+ 5·2	69	0	5	0·92	+ 0·19	9·0	−11·9	14	−17
	Parsonstown	59	34	56·4	44·0	50·0	+ 4·7	56	0	5	1·35	+ 0·74	5·7	−12·1	9	−19
	Kilkenny	60	30	57·0	43·0	49·8	+ 4·5	55	0	5	1·22	+ 0·44	*	*	*	*
	Roche's Point	59	41	56·1	48·9	52·4	+ 3·8	73	0	6	1·80	+ 0·75	*	*	*	*
	Valencia	59	40	57·7	49·9	53·7	+ 4·6	82	0	7	3·17	+ 1·77	2·6	−17·9	4	−26
	Killarney	61	36	58·9	46·6	52·6	+ 5·4	74	0	7	2·48	?	*	*	*	*
	Foynes	61	38	57·8	46·1	51·8	+ 6·0	69	0	6	1·52	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	60	47	59·1	52·3	55·6	+ 4·7	95	0	7	0·47	− 0·33	9·0	?	13	?
	Jersey	63	49	60·3	53·6	56·9	+ 6·8	104	0	6	0·56	− 0·54	11·9	−12·7	18	−16

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

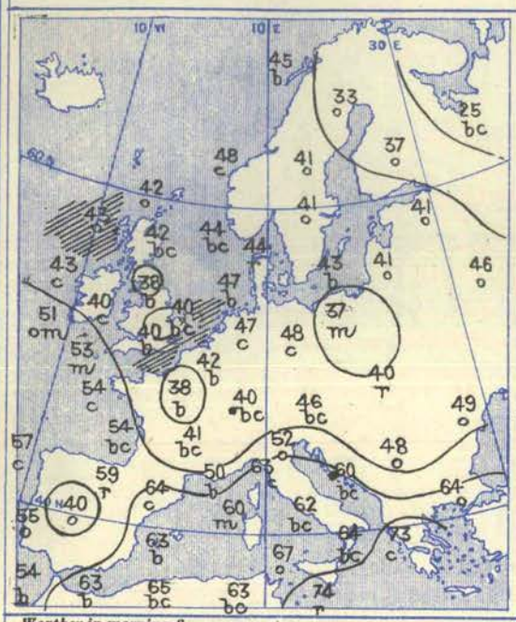
‡ ERRATA.—The corresponding values in the Report for the week ending October 27th should read "3·41" and "+ 2·83" respectively.

NOTE.—It will be observed that Fulbeck (Lincolnshire) has been added to the list of stations in England N.E.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 28th October.

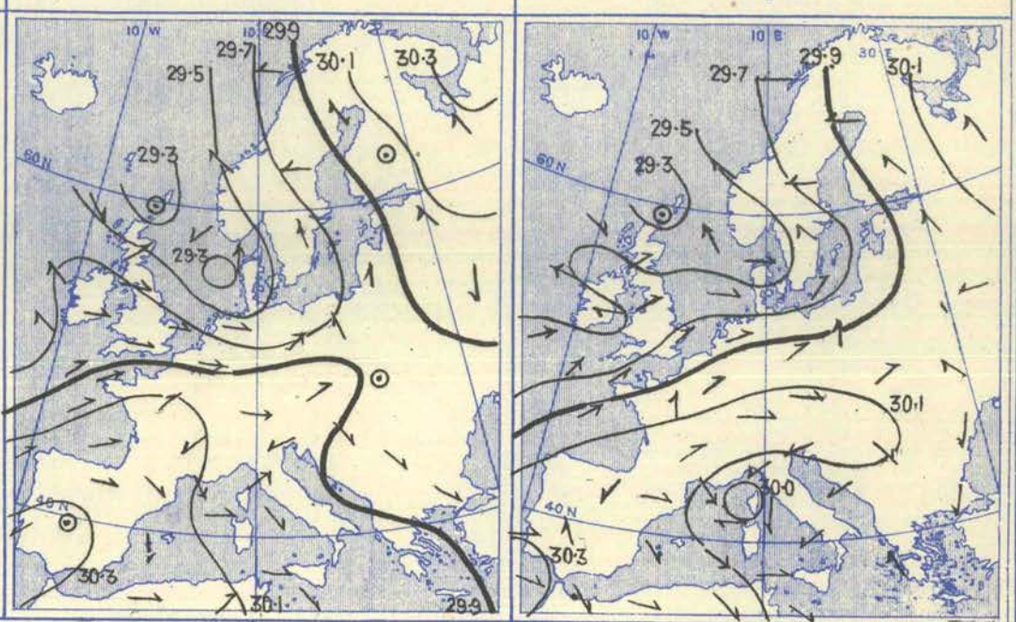
Temperature and Weather. 8 a.m.



Weather in morning fine over western, central, and southern Europe as a whole, but dull on our own extreme north and south-west coasts, with rain at Wick, and also at Roches Point. Fine at some stations in the south of Scandinavia, but cloudy or dull over northern Europe as a whole, with rain at Faerder and Skagen. Rain falling later over the western and northern countries generally, rather heavily in places.

Temperature fallen in most parts of the United Kingdom, as well as in Sweden and the south of Norway, changed rather irregularly elsewhere. Morning readings highest, 74° at Malta, 73° at Patras, 71° at Athens, and 67° at Palermo; above 60° at the Mediterranean stations generally. Lowest, 25° at Archangel, 33° at Uleaborg, and 37° at Kuopio; below 40° in many parts of the United Kingdom, the lowest reading reported being 36° at Donaghadee and Parsonstown. Daily maxima below 50° on our extreme north and north-west coasts, and below 55° in all but the extreme southern parts of the Kingdom. Thermometer exceeding 65° over southern Europe, and exceeding 70° in some parts of Spain and southern Italy, the highest reading reported being 77° at Cagliari and Palermo.

Barometer and Wind. 8 a.m. and 6 p.m.

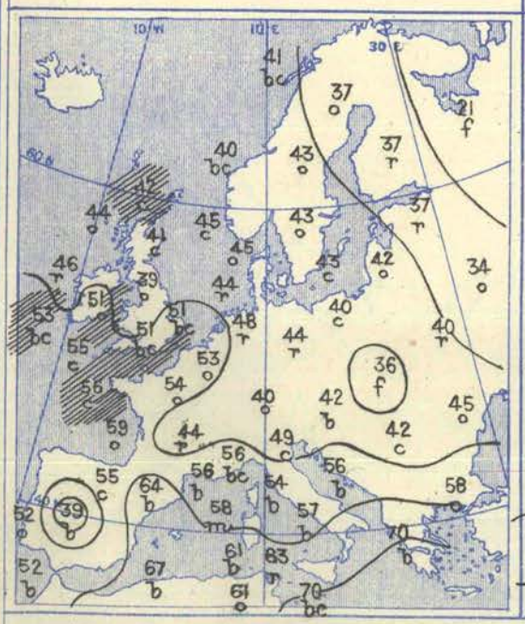


Wind light to moderate from the Westward or South-Westward over the greater part of western and southern Europe, but North-Westerly in the north of Scotland, and South-Easterly in the west and south of Ireland. Easterly or South-Easterly in Finland and Scandinavia; variable over the central and southern parts of Russia. Light from the Eastward or North-Eastward over the Spanish Peninsula, and also in Italy; North-Westerly in the extreme south of France. Subsequently shifting to the Westward in the south of Ireland, and to the Eastward in the north-west of England.

Barometer 30·3 ins. and upwards to 30·0 ins. in an anticyclone lying over France, Spain, and the western parts of the Mediterranean; 30·2 ins. to 30·0 ins. in another system over northern Russia. Lowest, 29·3 ins. and less in a depression over the Shetlands, and also in a well-marked secondary system over the north of Denmark; 29·7 ins. and less in a depression approaching the south-west of Ireland; 29·8 ins. and less in a small disturbance over the Gulf of Genoa. Irish depression subsequently spreading eastwards, and barometer falling over the United Kingdom generally

Monday, 29th October.

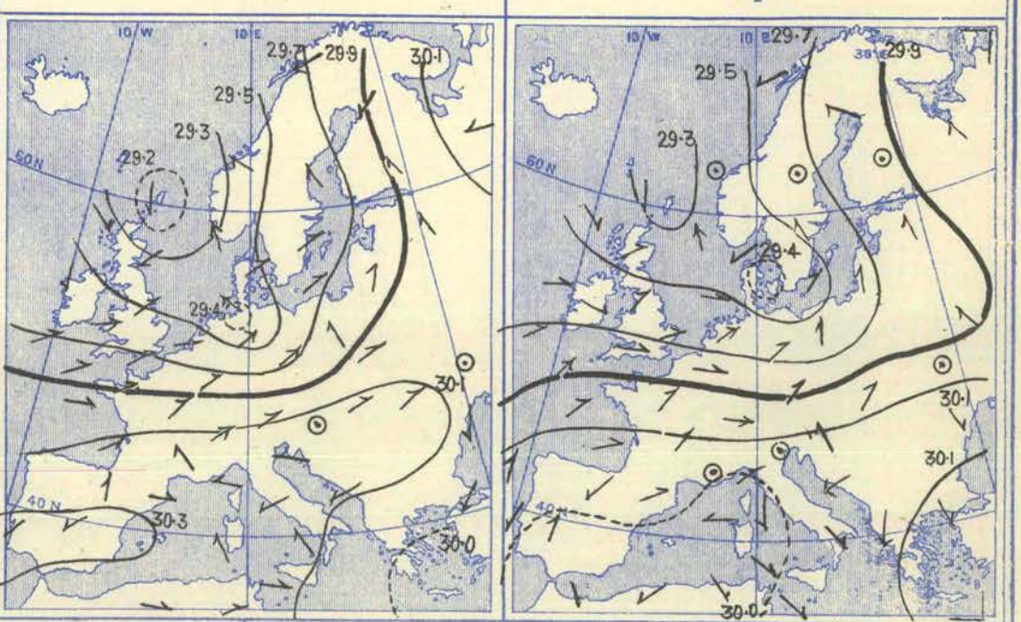
Temperature and Weather. 8 a.m.



Weather in morning changeable and showery in our Islands; dull over the western and northern parts of the Continent generally, with rain in several places, but fine in the west of Norway. Fine over southern Europe and the Mediterranean. Temporary improvement taking place later over England, but heavy rain falling at night in our south-eastern counties. Rain falling also at many of the Continental stations—heavily in places.

Temperature risen considerably over England, Ireland, France and the Netherlands, fallen in most other countries. Morning readings highest, 70° at Athens and Malta, 67° at Algiers and 64° at Patras; above 55° in the extreme south of France and just reaching that point in the extreme south of England. Lowest, 21° at Archangel, 34° at Moscow and 35° at Karlstad and Vienna; below 40° in most parts of Russia and Austria. Rising during day to 55° and upwards over England generally and to 60° at Jersey; exceeding 65° over southern Europe, and reaching 75° at Palermo. Ground frost occurring in Scotland at night.

Barometer and Wind. 8 a.m. and 6 p.m.

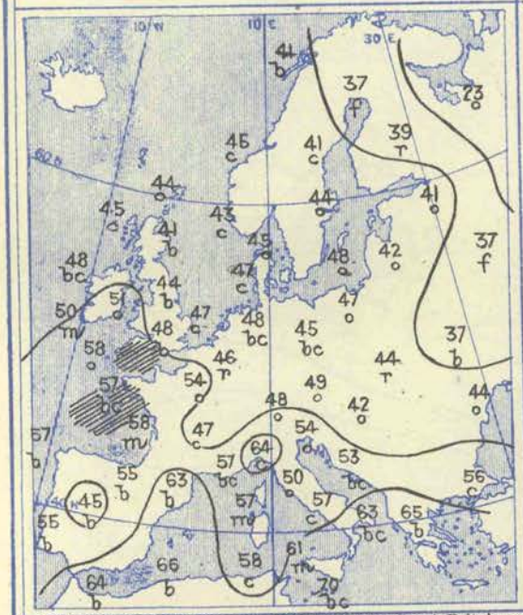


Wind moderate to strong from the Westward or South-Westward over the greater part of our Islands, France and Germany; Southerly over the Baltic; South-Easterly or Easterly over the western and northern parts of Scandinavia; Northerly or North-Westerly in the north of Scotland. Variable over Italy, Austria, and the south of France; Easterly or North-Easterly over the Spanish Peninsula. No important change occurring during day.

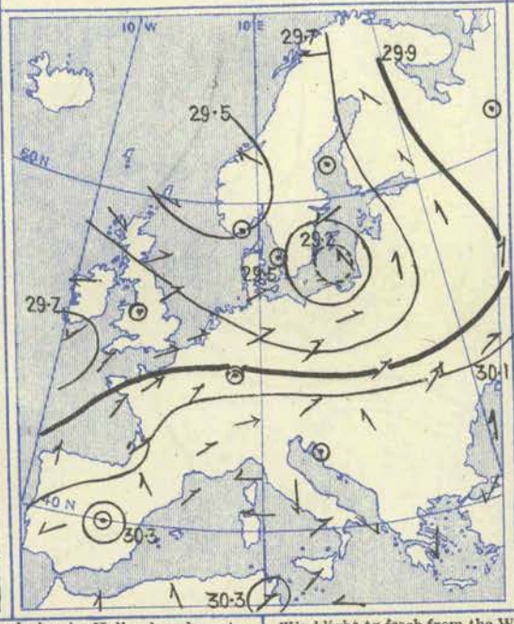
Barometer highest, 30·3 ins. and upwards over the southern parts of the Spanish Peninsula; 30·1 ins. and upwards in an anticyclone covering the greater part of southern Europe and also in another system over northern Russia. Lowest, 29·2 ins. and less in a depression with its centre a little to the south-eastward of the Shetlands; 29·4 ins. and less in a secondary disturbance off the coasts of Schleswig. Secondary system subsequently moving north-eastwards; further small shallow disturbances moving eastwards across Ireland and England.

Tuesday, 30th October.

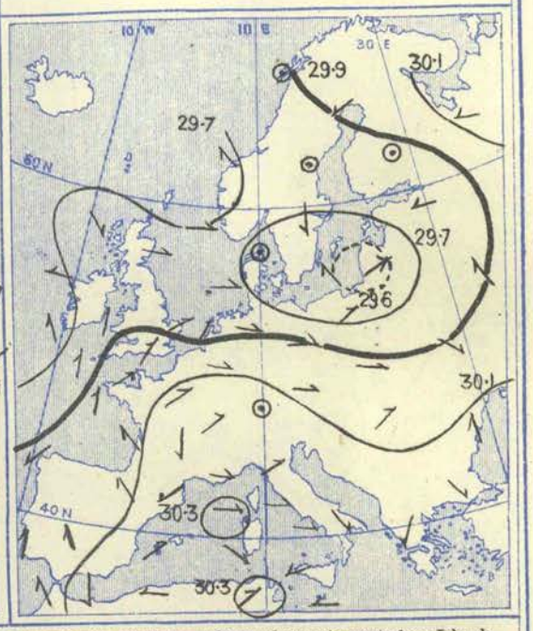
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the eastern parts of Great Britain and also in Holland and north Germany. Cloudy or dull in most other parts of Europe, with rain at several of our own western and southern stations as well as in the north of France, Belgium, south Germany, and at Lemberg and Kuopio. Fine over the Spanish Peninsula and the extreme south of France. Rain falling later over nearly the whole of western, northern, and central Europe—heavily in the west and south of Ireland; thunder heard at Blacksod Point.

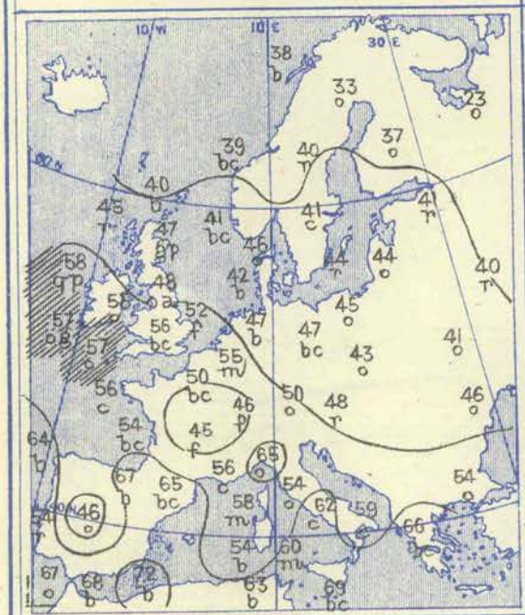
Temperature changed rather irregularly but risen over Germany and Austria. Morning readings highest, 70° at Malta, 66° at Algiers, and 65° at Patras; above 60° at many of the Mediterranean stations and just reaching that point at Jersey; above 55° over the western parts of the Channel generally. Lowest, 23° at Archangel, and 37° at Haparanda, Moscow and Kiev; very little above 40° in Scotland and the north-east of Ireland. Rising during day to 50° and upwards over the United Kingdom generally, to considerably above 55° on our south-west coasts, and to 63° at Jersey; exceeding 70° over the Spanish Peninsula and southern Italy.

Wind light to fresh from the Westward or South-Westward over the greater part of our Islands, France, Germany and the Netherlands, but Easterly in the west of Ireland and North-Westerly in the north of Scotland; Easterly or South-Easterly over Scandinavia and northern Russia. Variable over Italy and the south of France; Easterly or North-Easterly over the Spanish Peninsula. Subsequently backing to the Southward or South-Eastward over the western parts of our Islands and France generally; no important change occurring elsewhere.

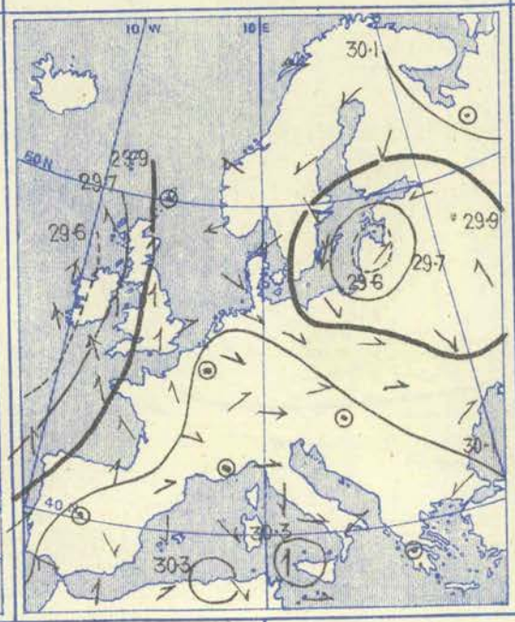
Barometer highest, 30·3 ins. and upwards over Tunis and also over central Spain; 30·1 ins. and upwards in an anticyclone covering the whole of southern and eastern Europe. Lowest, 29·4 ins. and less in a depression off the west of Norway, and also in a well-marked secondary over the south-east of Sweden; 29·7 ins. and less in a shallow disturbance off the south-west of Ireland. Depressions over northern Europe filling up later; disturbance off the Irish coasts spreading eastwards.

Wednesday, 31st October.

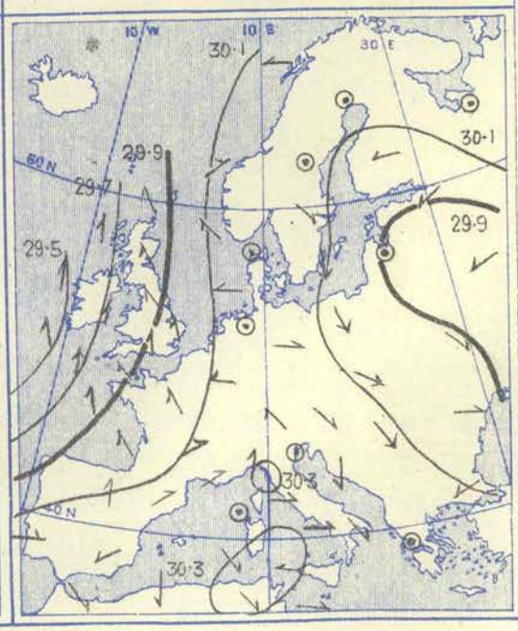
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull in the west and north of our Islands, with rain in several places. Fine over the south of England and the western parts of the Continent generally. Dull in most of the northern and central countries; with rain in many parts of Sweden, Russia and Austria; cloudy also over the Spanish Peninsula and rainy at Lisbon. Rain falling later in all but the south-eastern parts of the United Kingdom; heavily in the Hebrides.

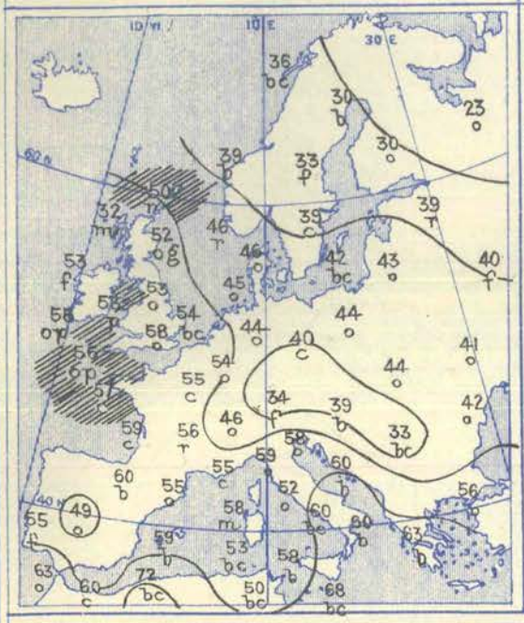
Temperature risen in our Islands and also in Germany, Spain and Italy, fallen elsewhere. Morning readings highest, 72° at Algiers, 69° at Malta, and 68° at Oran; above 60° at the Mediterranean and Spanish coast stations generally, and above 55° in the western and southern parts of the United Kingdom. Lowest, 23° at Archangel, 33° at Haparanda, 36° at Uleaborg, and 37° at Kuopio, Hangö, and Karlstad. Rising later to 60° and upwards in many parts of England and to 65° in London; exceeding 65° over central France and exceeding 70° in several parts of southern Europe, the highest reading reported being 77° at Palermo.

Wind Southerly or South-Easterly over our Islands, France, and the western parts of the Spanish Peninsula, and fresh or strong in force on our own western coasts, varying between East and North over Scandinavia and northern Russia, and blowing a gale at Wisby; North-Westerly in Denmark and north Germany; Westerly in south Germany and Austria; variable in Italy and the south of France. No important change occurring during day, but wind shifting to the South-Eastward on the eastern shores of the North Sea.

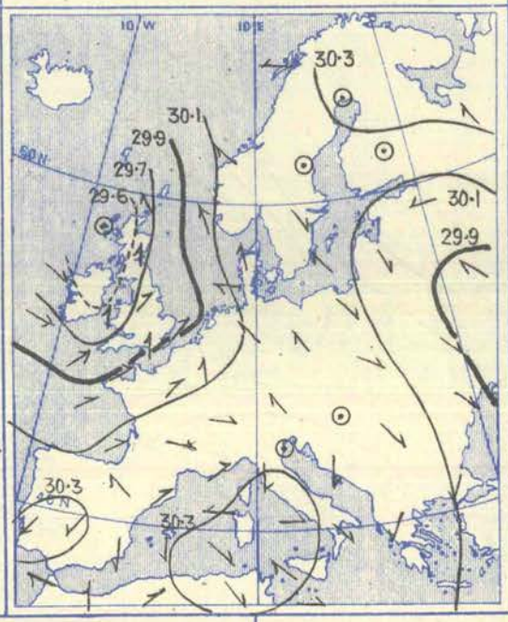
Barometer highest, 30·3 ins. and upwards over Sicily and Tunis; 30·1 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 29·6 ins. and less in a depression off the west of Ireland, and also in another disturbance over the Baltic provinces. Depression off our western coasts spreading slowly eastwards during day; disturbance over Baltic provinces moving eastwards over Russia and partially filling up

Thursday, 1st November.

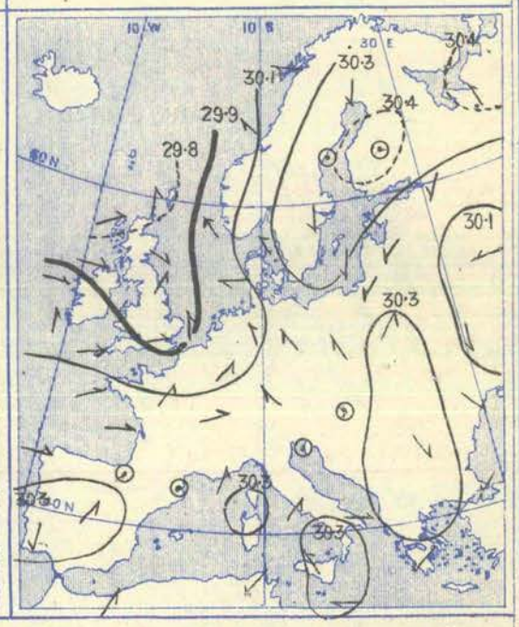
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over Great Britain and the western parts of the Continent, with rain in several places, but fine in Ireland. Foggy in many parts of Germany and Sweden; fine in Austria, Italy and Greece; dull in Spain and also in Russia, with rain at Helsingfors and St. Petersburg. Rain falling later over nearly the whole of western and central Europe, but nowhere very heavily.

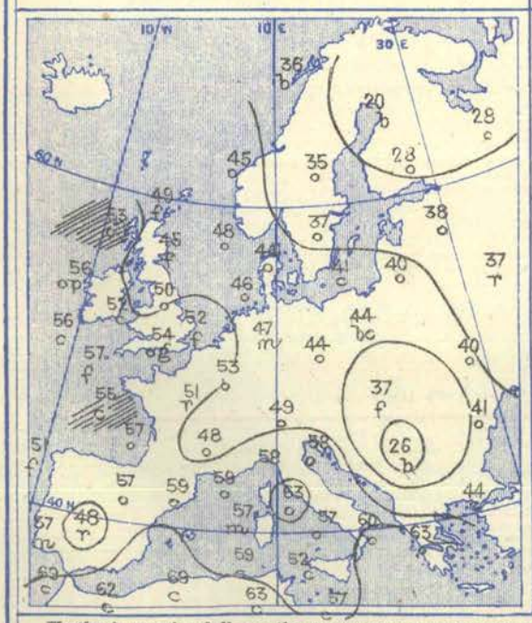
Temperature risen over western Europe as a whole, but fallen in Ireland; fallen in most of the eastern, central and southern countries. Morning readings highest, 72° at Algiers, 68° at Alicante and Malta, and 64° at Barcelona; above 60° at many of the Mediterranean and Spanish coast stations, and above 55° in the west and north of France and the south of England. Lowest, (1) 23° at Archangel, 29° at Uleaborg, and 30° at Kuopio; (2) 34° at Munich, and 36° at Prague. Rising during day to 60° and upwards in many parts of Great Britain, and to 64° degrees at Loughborough; exceeding 65° in central France, and exceeding 70° in some parts of southern Europe, the highest reading reported being 81° at Sanguinaire.

Wind Westerly in Ireland, South-Westerly over France and the south of England, with a slight gale at the mouth of the Channel; Southerly over the northern parts of Great Britain; South-Easterly on the eastern shores of the North Sea, light from the northward or north-westward over Sweden, Russia, Austria and Italy; variable in Greece; Easterly or North-Easterly over the Spanish Peninsula, subsequently veering to the Westward in the west and south of England and the west of France, but backing to South at Valencia (Ireland).

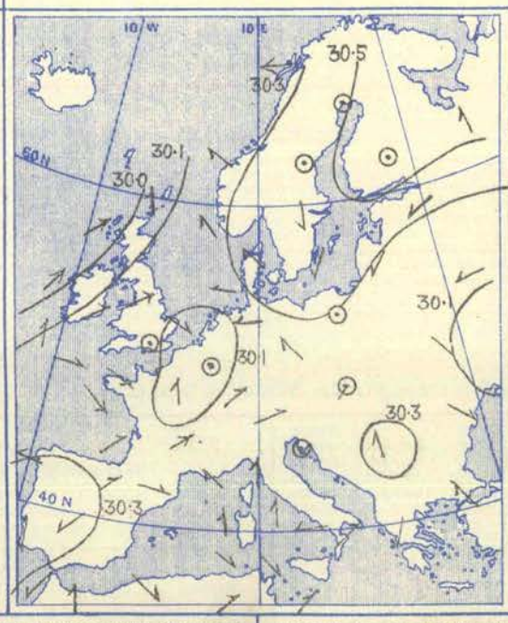
Barometer highest, 30·3 ins. and upwards in four areas, one lying over the extreme north of Russia, another over Austria, the third over Italy and the western parts of the Mediterranean, and the fourth over the central and southern parts of Spain. Lowest, 29·6 ins. and less in a "V-shaped" depression with its central portion off the west of Scotland; 29·8 ins. and less in a shallow disturbance over the south of Russia. "V-shaped" depression subsequently moving eastwards across Great Britain; general rise of barometer taking place in its rear.

Friday, 2nd November.

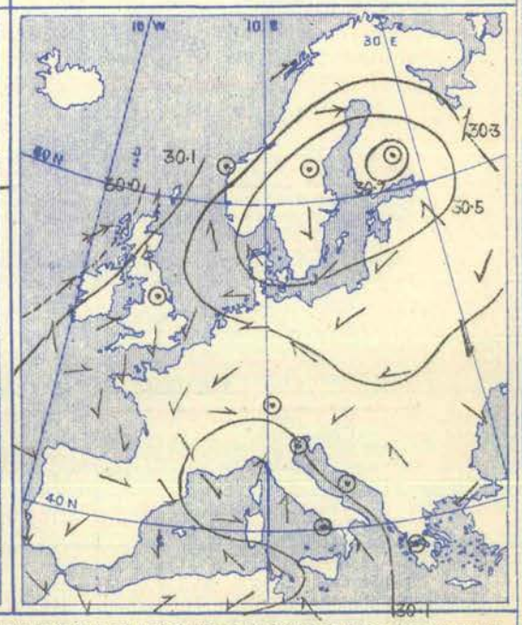
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull over the greater part of our Islands and the Continent, with fog and mist in several places; rain falling at Paris, Madrid, and Moscow. Rain falling later at several of our own western and extreme northern stations, as well as in France, Germany, Austria and northern Italy; thunderstorms occurring at Nice and Algiers, and lightning seen at Perpignan.

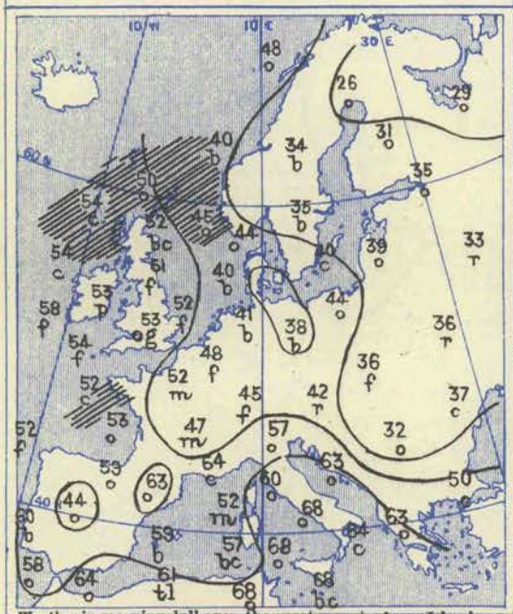
Temperature fallen in most countries, but risen in Scandinavia, Denmark and the Netherlands. Mornings readings highest, 69° at Algiers, 66° at Barcelona, and 63° at Athens; above 60° at several of the Mediterranean stations, and above 55° on our own extreme west and south-west coasts. Lowest, (1) 20° at Uleaborg, and 28° at Archangel and Kuopio; (2) 26° at Hermanstadt; lowest in our islands 40° at Newton Reigney (Penrith). Rising during day to 55° in all but the eastern parts of the United Kingdom, to 60° at Jersey, and to 61° at Portland Bill; exceeding 60° in the west of France, and exceeding 70° in several parts of Spain and southern Italy; reaching 75° at Malta.

Wind Southerly or South-Westerly in Ireland and Scotland, and fresh in force on our extreme north-west coasts. Moderate from the Eastward or South-Eastward over Norway, Denmark and north Germany; light from the Northward or North-Westward over England and the north of France; South-Westerly over central France and south Germany. Calm in Austria, variable in Italy; North-Easterly over the Spanish Peninsula. No important change occurring later, but wind increasing to a gale from South-West in the Hebrides.

Barometer highest, 30·5 ins. and upwards over northern Russia; 30·3 ins. and upwards over the western and central parts of the Spanish Peninsula. Lowest, 30·0 ins. and less in a large depression lying off our own extreme north-west coasts and also in another system over the south of Russia; 30·1 ins. and less in a shallow disturbance over the east of England, the Netherlands and the north-east of France. Anticyclone over northern Russia subsequently spreading westwards; depression over the Netherlands dispersing, but new disturbance appearing over the Gulf of Genoa.

Saturday, 3rd November.

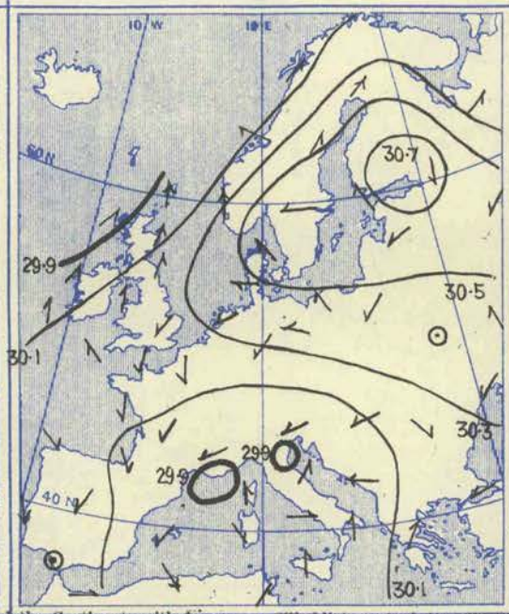
Temperature and Weather. 8 a.m.



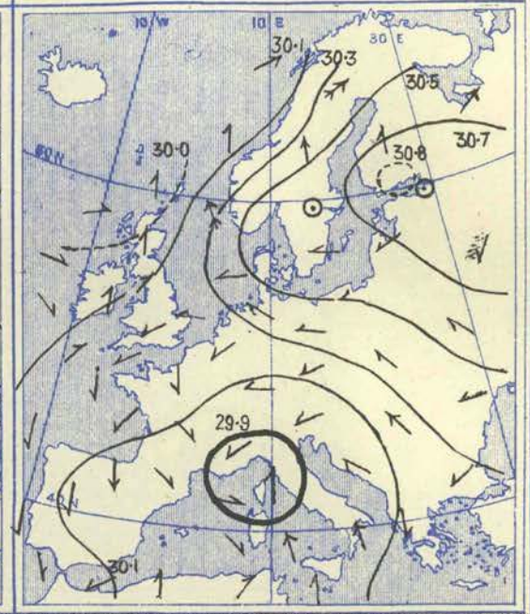
Weather in morning dull over the greater part of our Islands and the Continent, with fog or mist at several of the English, Irish, French, and German stations; rain falling over Austria and northern Italy, as well as at Prague, Moscow, and Kiev; thunderstorm reported at Algiers. Fine in the east of Scotland, and also in Sweden, Denmark, and north Germany. Rain falling later in the west of our Islands generally, as well as in the south and east of Scotland, the south of Sweden, and most parts of Austria and Italy.

Temperature risen in the west and north of our Islands, changed very slightly over England, fallen at most of the Continental stations. Morning readings highest, 68° at Palermo, Malta, and Sfax, and 64° at Brindisi and Oran; above 55° in central Scotland, the south of Ireland, and the Channel Islands, and above 50° over the United Kingdom generally. Lowest, 26° at Uleaborg, 29° at Archangel, 31° at Kuopio, and 32° at Karlstad and Hermanstadt. Rising during day to 55° and upwards in many parts of our Islands, and to 60° at Scilly and Jersey; exceeding 70° at some stations in the southern parts of France and Italy, and reaching 84° at Marseilles.

Barometer and Wind. 8 a.m.



6 p.m.



Wind light to fresh from the Southward (South-East to South-West) in the west and north of our Islands, and strong from the same quarters in the west and north of Scandinavia, with a gale at Skudesnaes. Light to moderate from the Eastward over all the more central parts of the Continent, from the North-Eastward in the south-east of England, and from the Northward over France and the Spanish Peninsula; Southerly or South-Westerly over southern Italy. Subsequently shifting to the North-Westward in the west of Ireland; no important change occurring elsewhere.

Barometer highest, 30·7 ins. and upwards over Finland, 30·3 ins. and upwards in an anticyclone covering the whole of northern and eastern Europe; 30·2 ins. and upwards in a band stretching south-westward from the main area across England and the Bay of Biscay. Lowest, 29·9 ins. and less in a depression off the north-west of Scotland (gradients steep over the northern part of the North Sea and the west and north of Scandinavia) and also in a small shallow disturbance off the south of France. Scotch depression moving northwards later. French disturbance spreading eastwards over northern Italy.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During the early part of the week barometrical pressure was highest over southern Europe, but high over northern Russia. In the north-western and central countries the weather was affected by shallow depressions which appeared off our own western and northern coasts, and by secondary systems which formed over Denmark and the Baltic, the prevailing winds being mostly Westerly or South-Westerly, and the weather mild and changeable, with frequent rain in most places. On October 31st the southern high-pressure system spread temporarily northwards over central Europe, and the wind in the western countries backed to South or South-East with a temporary improvement in the weather over England and France, and a further rise of temperature to an unusually high level for the time of year.

After November 1st the southern high-pressure system gave way, while the anticyclone over northern Russia increased in intensity and spread slowly westward and south-westward. Easterly winds now set in over all the northern and central countries, with finer and colder weather, and with fog in places. In our Islands, however, where the wind was chiefly Southerly or South-Westerly, the weather remained mild and unsettled. Towards the close of the week shallow depressions appeared over Italy and the neighbouring parts of the Mediterranean, and occasioned rain in many parts of southern Europe.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 260.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	9·4	?	15	?	BRIGHTON	18·8	- 4·2	28	- 6
STRATHPEFFER SPA	12·7	- 4·1	20	- 6	WORTHING	19·8	?	30	?
EDINBURGH	12·3	- 4·7	20	- 4	BOGNOR	19·5*	?	29*	
MORPETH	15·4	?	24	?	WATERGATE (Emsworth)	8·9	?	13	?
NEWCASTLE-ON-TYNE	13·3	?	21	?	WESTBOURNE (Emsworth)	15·1*	- 4·9	23*	- 6
OSWALDKIRK (Yorkshire)	11·3	- 3·7	17	- 6	VENTNOR HOSPITAL	16·5	?	25	?
YORK					SOUTHPORT	9·0	?	14	?
LOWESTOFT	18.1	?	27	?	RHYL	19·3*	?	29*	?
HOLLESLEY BAY	20·8	?	32	?	COLWYN BAY	13·2	?	20	?
SHEFFIELD	9·5	?	14	?	ABERDOVEY	7·1*	?	11*	?
WORKSOP	7·6	- 7·6	12	-10	TENBY	5·2	-14·8	8	-21
THURCASTON (Leicestershire)	8·6	- 8·2	13	-12	NEWQUAY	5·0	-17·0	7	-25
MARGATE	17·1	- 2·9	26	- 3	TORQUAY	7·0	-13·0	10	-19
EASTBOURNE	18·6	- 1·9	28	- 1	GUERNSEY	12·3*	- 8·2	18*	-13

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 45.] *Third Series.* WEEK ENDING SATURDAY, NOVEMBER 10TH, 1900. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 266.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	55	29	48·1	38·8	43·5	1 above	24	+ 2	9	- 5	2052	+157	684	+ 5
	1. SCOTLAND, EAST	55	30	48·3	39·2	43·8	2 above	24	0	8	- 3	2215	- 65	749	+ 33
	2. ENGLAND, N.E.	58	35	51·2	42·6	46·9	3 above	34	+ 6	0	-10	2608	+136	527	- 53
	3. ENGLAND, EAST	57	31	52·3	43·0	47·7	4 above	40	+ 6	0	-12	3099	+240	537	-118
	4. MIDLAND COUNTIES	57	29	51·5	42·3	46·9	4 above	34	+ 3	0	-14	2913	+ 82	580	- 91
	5. ENGLAND, SOUTH	58	33	53·9	44·8	49·4	4 above	52	+13	0	- 7	3281	+170	389	-113
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	55	34	49·7	41·4	45·6	2 above	28	- 1	2	- 9	2461	+ 55	520	+ 18
	7. ENGLAND, N.W.	59	35	51·3	43·8	47·6	3 above	39	+ 7	0	- 7	2744	+108	453	- 30
	8. ENGLAND, S.W.	61	30	53·2	43·8	48·6	3 above	46	+ 3	0	- 4	3076	+153	336	- 39
	9. IRELAND, NORTH	56	32	49·5	39·9	44·7	0 (average)	28	- 3	6	- 3	2587	+ 52	430	+ 7
	10. IRELAND, SOUTH	57	33	51·4	42·2	46·8	1 above	34	- 7	0	- 7	2992	+115	374	+ 49
	—CHANNEL ISLANDS	60	43	56·5	48·5	52·6	3 above	74	+13	0	0	3805	+447	97	- 51

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 266.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	25	12 more	220	+12	44·5	+ 3·1	6	- 4	11	- 6	1048	+ 29	26	+ 1
	1. SCOTLAND, EAST	7	12	5 more	185	+15	30·0	+ 2·9	6	- 8	10	-13	1111	-104	27	- 3
	2. ENGLAND, N.E.	5	4	2 less	158	- 1	26·5	+ 4·0	8	- 6	13	- 9	1157	- 54	29	- 1
	3. ENGLAND, EAST	5	4	3 less	155	- 1	21·2	- 0·9	20	+ 1	32	+ 2	1603	+ 82	38	+ 2
	4. MIDLAND COUNTIES	6	6	0 (average)	152	0	24·5	0·0	14	- 2	22	- 2	1337	+ 84	35	+ 2
	5. ENGLAND, SOUTH	6	8	1 more	140	- 2	22·1	- 2·6	15	- 3	23	- 3	1665	+126	41	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	24	11 more	200	+23	49·7	+ 6·0	7	- 7	11	-11	1246	- 38	31	- 1
	7. ENGLAND, N.W.	6	10	1 more	171	+ 6	32·6	+ 2·7	9	- 6	15	- 9	1428*	+106	34	+ 2
	8. ENGLAND, S.W.	7	15	4 more	175	+ 7	35·8	+ 1·3	16	- 2	25	- 2	1652	+ 88	41	+ 2
	9. IRELAND, NORTH	6	19	10 more	205	+13	33·8	+ 3·3	14	- 2	22	- 4	1254	+ 63	31	+ 1
	10. IRELAND, SOUTH	6	18	9 more	180	+ 6	37·7	+ 4·7	15	- 3	23	- 5	1383	+ 28	34	0
	— CHANNEL ISLANDS	7	20	11 more	178	+ 1	26·1	- 1·3	14	- 8	21	-11	1855	+122	48	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was again mild, unsettled, and rainy in all parts of the Kingdom, the rainfall being heavy in the west and north, and relatively slight in the north-east and east. Thunder and lightning occurred at some of the north-western stations towards the end of the week.

Temperature continued above the mean generally, the excess ranging from 1° in Scotland N. and Ireland S. to 4° over central, southern and eastern England. In Ireland N., however, the weekly mean just equalled the average value. The highest of the maxima were registered during the earlier half of the period and ranged from 61° in England S.W. and 60° in the Channel Islands to 55° in the Scotch districts. The lowest of the minima were recorded, as a rule, towards the end of the week, and ranged from 29° in Scotland N. and the Midland Counties, and 30° in Scotland E. and England S.W., to 35° in England N.E. and N.W. and to 43° in the Channel Islands.

Rainfall was less than the mean in England N.E. and E., and just equal to it in the Midland Counties; elsewhere there was an excess, that in Ireland, Scotland, and the Channel Islands being large.

Bright Sunshine was again deficient in nearly all districts. The percentage of the possible duration ranged from 32 in England E. and 25 in England S.W. to 18 in England N.E. and to between 11 and 10 over Scotland.

Barometer and Wind.—The distribution of pressure over our Islands during this period was again cyclonic, depressions moving eastwards or north-eastwards over our north-western and northern coasts, and their secondaries in a similar direction further to the southward. A striking system, however, was a disturbance which advanced to the extreme south-west of England from the westward during Monday and then suddenly changed its course and travelled north-north-eastwards to the north of England, after which it apparently dispersed. This depression caused strong gales from the North-Westward in the west and south-west on the 6th and 7th, but with this exception the winds were generally between South and South-West, and frequently strong in force on the more exposed parts of our western and north-western coasts.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 265 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	50	37	47·9	42·0	45·0	+ 2·1	21	0	7	1·85	+ 0·84	*	*	*	*
	Stornoway	52	33	47·4	39·9	43·7	+ 1·1	21	6	7	2·61	+ 1·46	6·6	- 7·0	11	-12
	Wick	52	32	49·6	38·0	43·8	+ 1·3	29	11	7	1·50	+ 0·74	*	*	*	*
	Lairg §	55	29	49·1	34·4	41·8	+ 0·9	20	22	7	2·88	+ 2·03	*	*	*	*
	Glencarron §	51	34	46·7	37·7	42·2	+ 0·7	19	12	6	3·00	+ 0·78	*	*	*	*
	Fort Augustus §	54	33	47·8	38·4	43·1	+ 0·2	23	10	7	2·83	+ 1·35	3·8	- 3·2	6	- 5
	Fort William §	52	37	48·5	41·5	45·0	+ 1·5	23	1	7	2·48	+ 0·72	1·6	- 9·2	3	-14
1. SCOTLAND, E.	Nairn	53	33	48·1	38·0	43·1	+ 1·3	25	11	7	1·30	+ 0·81	*	*	*	*
	Aberdeen	51	36	48·6	43·1	45·9	+ 3·4	27	0	6	0·90	+ 0·21	6·1	-11·0	10	-18
	Braemar §	49	32	45·7	37·1	41·4	+ 2·4	10	20	6	0·69	- 0·24	5·3†	- 3·2†	9†	- 5†
	Ochtertyre §	51	30	48·0	37·1	42·6	+ 0·6	25	14	7	1·38	+ 0·38	*	*	*	*
	Leith	55	37	49·7	42·0	45·9	+ 2·3	27	0	7	1·82	+ 1·40	*	*	*	*
	Marchmont §	51	32	49·6	38·1	43·9	+ 2·5	30	11	6	1·00	+ 0·25	7·5	- 7·5	13	-12
2. ENGLAND, N.E.	Alnwick Castle	52	37	49·6	40·3	45·0	+ 2·0	28	5	5	0·66	- 0·04	*	*	*	*
	Durham	53	35	49·9	41·0	45·5	+ 3·3	29	3	5	0·41	- 0·27	8·5	- 6·5	14	- 9
	Shields	54	36	50·6	42·6	46·6	+ 2·6	32	0	5	0·27	- 0·30	*	*	*	*
	Scarborough M	58	36	54·7	43·6	49·2	+ 4·9	50	0	4	0·46	- 0·25	8·3	?	13	?
	Spurn Head	55	37	51·4	44·3	47·9	+ 2·9	41	0	4	0·51	- 0·03	*	*	*	*
	Fulbeck (Lincolnshire)	54	35	50·8	43·5	47·2	+ 4·5	36	0	5	0·32	?	*	*	*	*
3. ENGLAND, E.	Hillington M	55	31	51·3	41·4	46·4	+ 2·9	33	2	4	0·56	- 0·04	17·7	+ 2·2	28	+ 2
	Yarmouth	53	35	51·1	44·0	47·6	+ 2·8	39	0	5	0·23	- 0·47	*	*	*	*
	Geldeston	55	31	52·4	42·5	47·5	+ 3·0	39	0	5	0·33	- 0·30	21·4	+ 3·6	34	+ 9
	Cambridge	57	31	53·9	42·3	48·1	+ 4·2	43	0	5	0·37	- 0·13	18·4	+ 0·7	29	+ 2
	Felixstowe	56	37	52·7	45·2	49·1	+ 4·2	50	0	4	0·26	?	21·6†	?	34†	?
	Rothamsted	54	32	52·2	42·8	47·5	+ 4·5	39	0	7	0·45	- 0·23	16·2	- 1·8	26	- 2
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	53	34	50·3	42·9	46·6	+ 3·7	32	0	5	0·45	- 0·08	*	*	*	*
	Loughborough	53	36	51·6	43·0	47·3	+ 3·3	37	0	6	0·64	+ 0·07	*	*	*	*
	Cheadle M	51	31	49·5	40·5	45·0	+ 2·5	27	4	7	0·65	- 0·13	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	57	35	51·8	42·1	47·0	+ 4·8	35	0	5	0·82	+ 0·19	15·1	?	24	?
	Churchstoke M	53	29	51·4	40·8	46·1	+ 2·9	35	3	6	0·62	- 0·21	12·0	- 3·4	19	- 4
	Hereford (Belmont) M	56	34	53·1	42·9	48·0	+ 3·8	42	0	5	0·62	+ 0·03	*	*	*	*
	Cirencester	55	32	51·7	41·6	46·7	+ 3·7	35	1	5	0·75	+ 0·02	11·6	- 6·0	18	- 9
	Oxford	55	37	52·4	44·4	48·4	+ 4·1	45	0	5	0·45	- 0·09	14·3	- 3·0	23	- 2
5. ENGLAND, S.	London	57	35	53·9	44·7	49·3	+ 4·1	51	0	5	0·40	- 0·20	14·3†	+ 1·3†	23†	+ 5†
	Swarraton (Alresford) M	56	33	52·3	42·7	47·5	+ 3·3	39	0	6	0·88	?	*	*	*	*
	Dungeness	58	40	55·3	46·3	50·8	+ 4·0	62	0	6	0·57	- 0·21	12·5	?	20	?
	Hastings (St. Leonards)	57	38	54·3	45·8	50·1	+ 3·9	57	0	6	1·02	+ 0·17	11·4	- 8·1	18	-13
	Southampton	58	35	55·7	44·4	50·1	+ 4·1	57	0	6	0·91	+ 0·14	16·2	- 1·9	25	- 3
	Portland Bill	58	43	54·3	46·4	50·4	+ 3·2	59	0	5	0·85	?	*	*	*	*
	Shaftesbury M	55	35	51·6	43·4	47·5	+ 4·3	39	0	7	1·17	+ 0·32	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	52	37	48·9	40·9	44·9	+ 0·7	25	3	7	3·94	+ 2·02	*	*	*	*
	Glasgow	52	37	49·1	42·1	45·6	+ 2·5	25	0	6	2·67	+ 1·79	2·9	- 7·3	5	-11
	Glenlee §	54	34	49·3	39·4	44·4	+ 2·1	28	7	7	1·67	+ 0·23	*	*	*	*
	Douglas (Isle of Man)	55	40	51·6	43·2	47·4	+ 2·4	38	0	6	1·39	+ 0·29	10·7	- 6·3	17	-10
7. ENGLAND, N.W.	Newton Reigny	53	35	49·3	39·7	44·5	+ 2·7	27	6	7	0·76	?	6·8	?	11	?
	Stonyhurst	53	37	50·1	43·2	46·7	+ 3·5	33	0	7	1·60	+ 0·49	5·0	- 7·8	8	-12
	Blackpool M	59	41	52·8	45·1	49·0	+ 4·5	49	0	7	0·93	+ 0·09	7·5	- 5·6	12	- 8
	Manchester (Prestwich)	53	35	50·9	42·9	46·9	+ 3·3	34	0	6	0·92	+ 0·09	6·5	?	10	?
	Liverpool Obsy. (Bidston)	54	38	50·7	44·1	47·4	+ 2·4	38	0	5	0·74	+ 0·06	12·1	?	19	?
	Llandudno M	58	42	53·6	46·8	50·2	+ 3·7	57	0	7	1·10	+ 0·23	8·5	- 5·5	13	- 8
	Holyhead	55	38	51·7	44·9	48·3	+ 1·3	44	0	6	0·70	- 0·29	*	*	*	*
8. ENGLAND, S.W.	Llandovery	61	30	53·1	39·1	46·1	+ 2·0	41	8	7	1·19	- 0·06	*	*	*	*
	Pembroke	56	44	53·4	48·3	50·9	+ 2·9	62	0	7	1·14	+ 0·19	14·6	- 2·4	23	- 3
	Clifton	57	39	52·5	45·2	48·9	+ 4·1	48	0	6	1·05	+ 0·23	*	*	*	*
	Arlington (N. Devon)	56	34	51·4	42·3	46·9	+ 1·9	34	0	7	2·27	+ 0·77	*	*	*	*
	Cullompton M	58	33	53·7	42·7	48·2	+ 4·2	43	0	7	1·63	+ 0·75	12·2	- 3·8	19	- 4
	Falmouth	57	38	53·2	45·0	49·1	+ 1·1	50	0	7	1·86	+ 0·58	20·9	+ 0·3	32	+ 1
	Plymouth	59	32	55·4	44·3	49·9	+ 2·3	55	0	7	1·00	+ 0·16	15·5	- 3·0	24	- 1
9. IRELAND, N.	Malin Head	52	38	48·6	42·4	45·5	- 0·1	25	0	6	2·55	?	*	*	*	*
	Londonderry	53	35	48·4	38·9	43·7	- 0·1	25	9	7	1·84	+ 0·84	*	*	*	*
	Edenfel (Omagh)	51	32	47·4	38·1	42·8	0·0	22	11	6	2·63	+ 1·79	*	*	*	*
	Blacksod Point	56	38	50·6	42·6	46·6	- 0·3	32	0	7	1·65	?	*	*	*	*
	Markree Castle	55	37	50·7	39·2	45·0	+ 1·3	33	8	7	1·36	+ 0·34	12·8	- 3·8	21	- 5
	Armagh	55	34	50·5	37·5	44·0	+ 1·0	33	13	6	1·95	+ 1·24	14·5	- 0·5	23	- 2
	Donaghadee	54	35	50·1	40·9	45·5	+ 0·7	29	3	6	1·03	+ 0·23	*	*	*	*
10. IRELAND, S.	Dublin	56	36	52·1	41·4	46·8	+ 1·0	36	2	4	1·62	+ 0·92	16·6	- 2·4	26	- 4
	Parsonstown	56	34	49·6	40·9	45·3	+ 0·6	28	3	5	0·88	+ 0·27	15·8	- 0·6	25	- 2
	Kilkenny	56	33	51·0	41·3	46·2	+ 1·4	32	2	5	2·37	+ 1·62	*	*	*	*
	Roche's Point	57	37	51·4	44·3	47·9	+ 0·2	41	0	7	1·39	+ 0·30	*	*	*	*
	Valencia	56	39	52·7	43·3	48·0	- 0·3	42	0	7	1·82	+ 0·43	11·6	- 6·9	18	-10
	Killarney	57	35	51·9	41·5	46·7	+ 0·4	35	1	7	2·62	?	*	*	*	*
	Foynes	56	38	51·0	42·6	46·8	+ 1·5	34	0	7	2·03	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	59	43	56·3	47·4	51·9	+ 1·8	69	0	6	1·30	+ 0·48	17·1	?	26	?
	Jersey	60	43	56·7	49·6	53·2	+ 3·2	78	0	7	2·75	+ 1·67	13·4	- 7·9	21	-10

Stations marked M are in connection with the Royal Meteorological Society, and those marked § with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

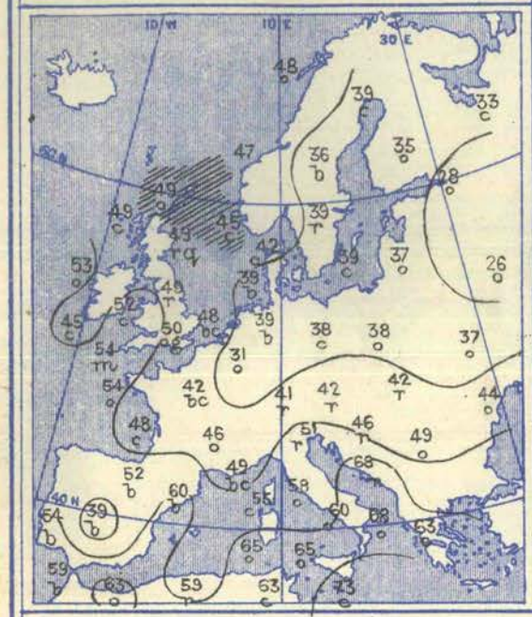
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 4th November.

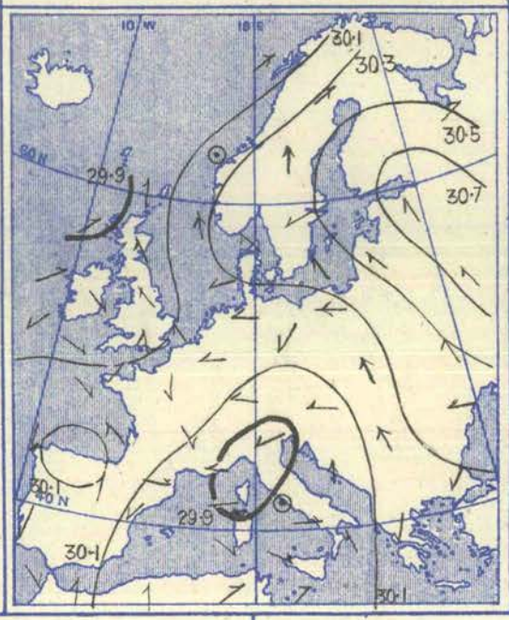
Temperature and Weather.

8 a.m.

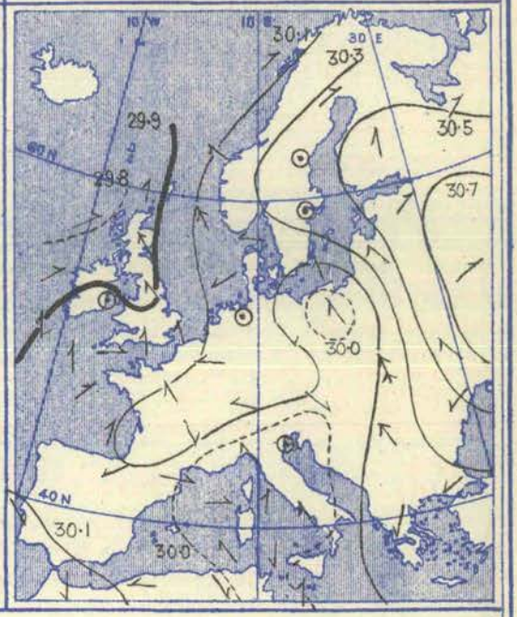


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning fine and bright over Spain, fair but dull over Russia and northern Europe, and in a band extending from Scandinavia in a south-westerly direction across the south-east of England and the northern parts of France to the Bay of Biscay; rather unsettled over our Islands, with rain in several places, and unsettled also over the eastern parts of the Mediterranean. Rain later over nearly all parts of our Islands and in their neighbourhood, but amounts not large; considerable falls in some parts of Germany and Italy.

Temperature fallen in Ireland and Scotland, but still high over Brittany and the west and south-west of England. Morning readings highest, (1) 68° to 60° over many parts of the Mediterranean; (2) 54° to 50° over Brittany and the west and south of England. Lowest, (1) 26° at Moscow, 28° at St. Petersburg, 33° at Archangel and Kharkov, 36° to 39° on the shores of the Baltic. Rising later to between 70° and 70° on the southern and eastern shores of the Mediterranean, to between 59° and 50° over England and Ireland, but not touching 40° in the north of Sweden, nor exceeding 30° at St. Petersburg.

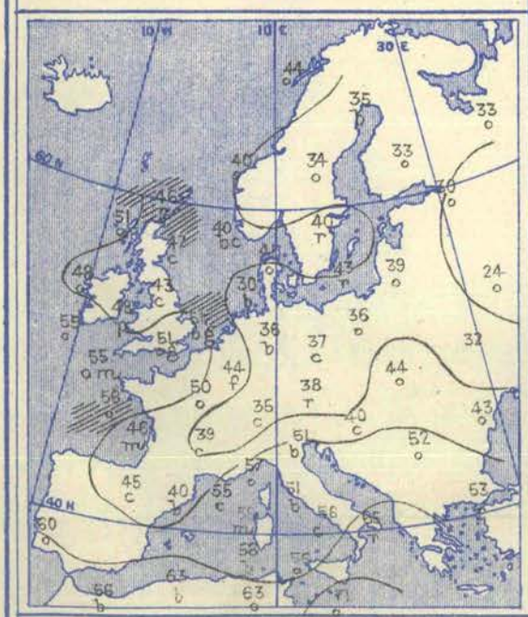
Wind light and mainly South-Easterly over Russia, moderate Easterly over Germany, variable and South-Easterly to South-Westerly and stronger in the United Kingdom. A cyclonic circulation of moderate breezes over the eastern part of the Mediterranean. South-Westerly breezes becoming more general later in the west and north-west of our Islands, little change elsewhere except a local increase to a gale in the east of Hungary.

Barometer highest, (1) 30·7 ins. and more to 30·2 ins. over Russia and Scandinavia; (2) 30·2 ins. and more over central Spain; and (3) 30·1 ins. and more in a band connecting these systems and lying over Belgium, France, and the Bay of Biscay. Lowest, 29·9 ins. and less, (1) in a depression over the north of Italy and south of Austria; (2) in another off our own north-west coasts. Distribution complex over our Islands. Falling later over north-western Europe—most in Ireland and the west of Scotland.

Monday, 5th November.

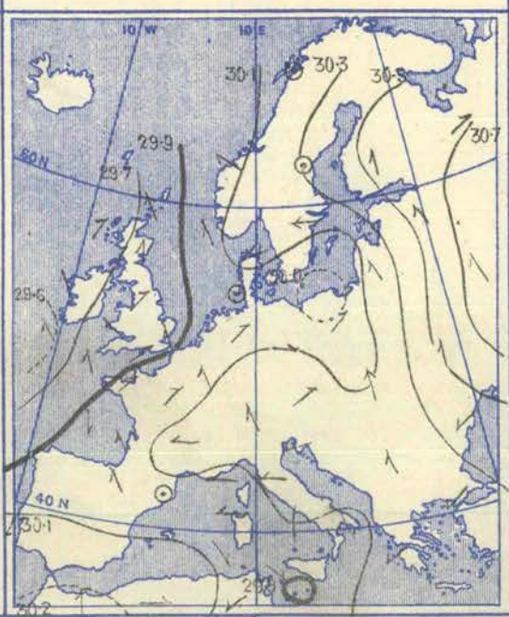
Temperature and Weather.

8 a.m.

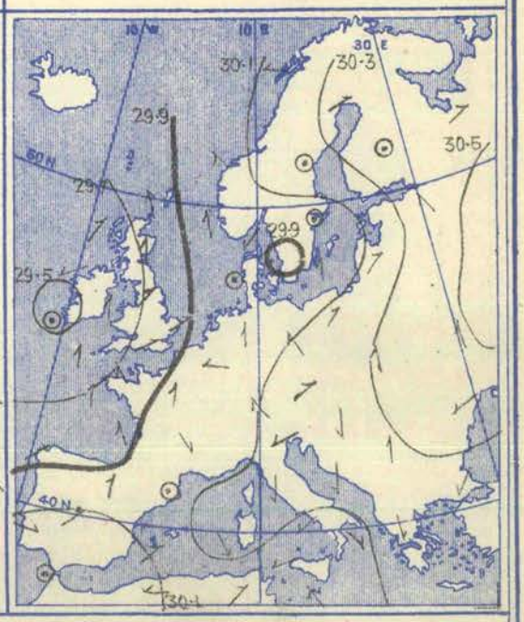


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright at several of the Mediterranean stations and at the northern extremity of the Gulf of Bothnia; dull over Russia, not settled over Central Europe, very unsettled over the British Isles with rain in many places. Rain later in all parts of the United Kingdom and in Sweden, but not very heavily except in the west of Ireland; air close and muggy.

Temperature risen over France and in many parts of our Islands, fallen at some of our northern ports and in Norway. Morning readings highest, 71° at Malta, 66° at Nemours, 63° at La Calle, 65° at Brindisi, and above 50° at most of the Mediterranean stations; 57° to 55° on the coasts of Brittany and the English Channel, 52° at Hermanstadt, 51° to 50° over the southern counties of England. Lowest, 24° at Stockholm, 28° at Kharkov, and below 32° almost all over Russia, 35° to 39° over North Germany and Sweden, 37° at Belfort. Rising later to a little above 50° in Scotland, to between 50° and 59° in Ireland and England, 60° and more in the south of France, and 68° in the Azores.

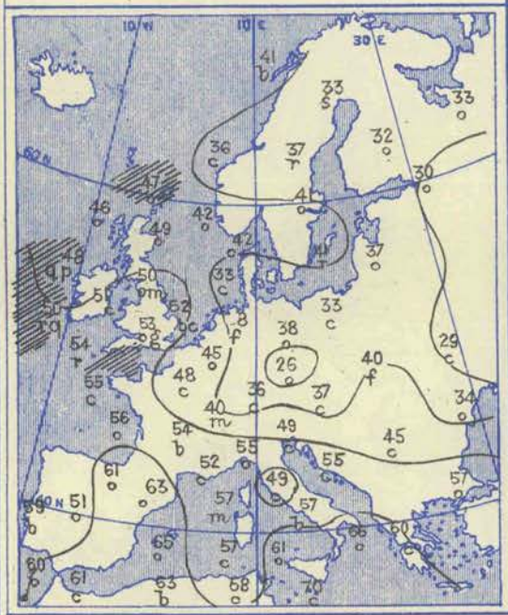
Wind (1) Anticyclonic, South-Easterly over Russia, light and variable over central Europe and Spain; (2) South-Easterly to South-Westerly over the British Islands, but light to moderate in force. A separate imperfect cyclonic circulation near Malta. A well-formed cyclonic system of moderate but freshening winds found over Ireland in the evening and moving South-Eastwards; another system over the south of Sweden.

Barometer in morning highest, (1) 30·7 ins. to 30·1 ins. and more over Russia, Scandinavia, Poland, and the southern parts of central Europe; and (2) 30·2 ins. and more to 30·1 ins. over the north of Africa and south of Spain. Lowest, 29·6 ins. and less in a depression advancing towards Ireland from the westward, and below 30·0 ins. in another over the Baltic and south of Sweden. Former disturbance moving eastwards and south-eastwards later, the latter moving northwards slowly.

Tuesday, 6th November.

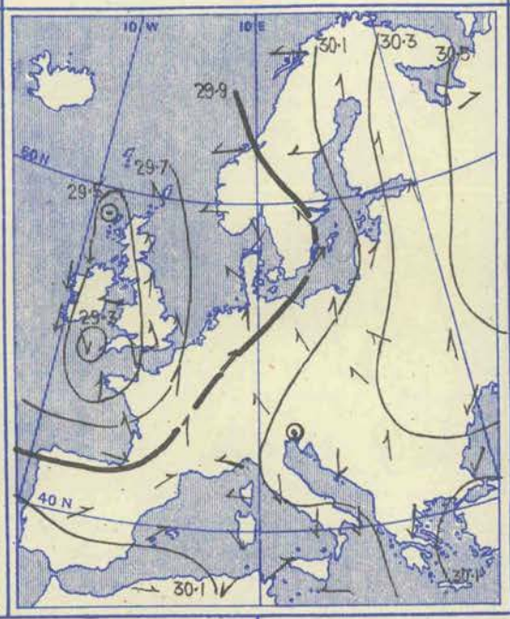
Temperature and Weather.

8 a.m.

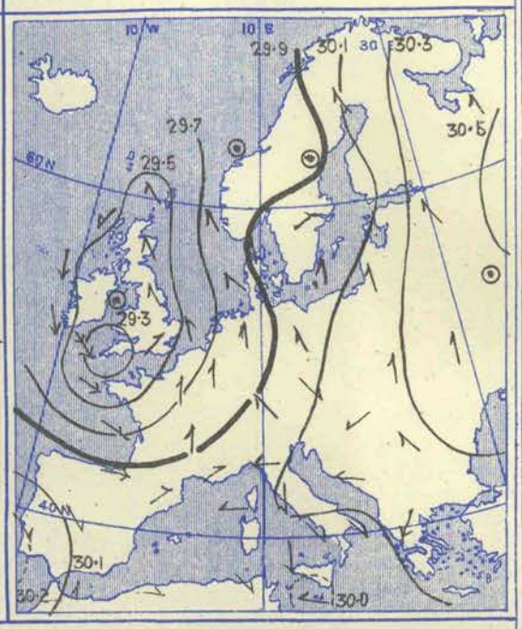


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning still fair over Russia and central Europe as well as over the greater part of France and the Mediterranean. Unsettled over Scandinavia, with rain and snow in places, very dull, rainy and unsettled over the British Isles. Much rain at our western stations later, smaller quantities over Great Britain and a considerable fall over Sweden; heavy falls over the east and south of France.

Temperature fallen over central Europe and also over the western parts of the British Islands. Morning readings highest, (1) 70° at Malta and exceeding 60° on most of the southern and western shores of the Mediterranean; (2) 57° at Jersey, 55° to 50° over England and the south of Ireland, 50° at Wick. Lowest, 25° to 30° over central Russia, and part of central Europe, 33° at Fano, 38° at Cuxhaven; as low as 46° at Aumale (Algeria). Rising later to between 50° and 57° over England, 60° at Jersey, 62° at Lyons, 68° at Leghorn and Brindisi, 79° at La Calle.

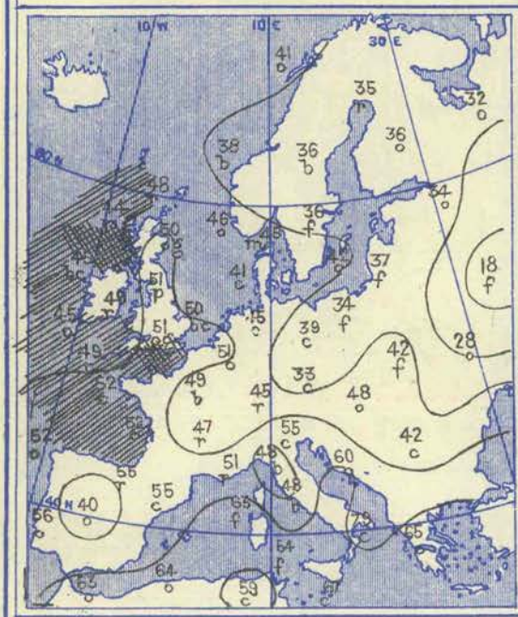
Wind light and variable, mainly anticyclonic, over Russia central and south-eastern Europe, Southerly over the Baltic; Easterly over western Europe. A well-defined cyclonic circulation of strong winds prevailing over Ireland, England and the Channel (Southerly in England, Northerly in Ireland). The Northerly wind subsequently rising to a gale on all our western and south-western coasts and Southerly breezes spreading over central Europe.

Barometer highest, (1) 30·5 ins. and more to 30·1 ins. over Russia and Hungary; (2) 30·1 ins. and more over the south of Spain and northern Africa. Lowest, 29·3 ins. and less in a depression over the Bristol Channel, Cornwall and Devon; and below 29·5 ins. in a secondary over the west and centre of Scotland. The depression scarcely moving till night, then moving north-eastward suddenly.

Wednesday, 7th November.

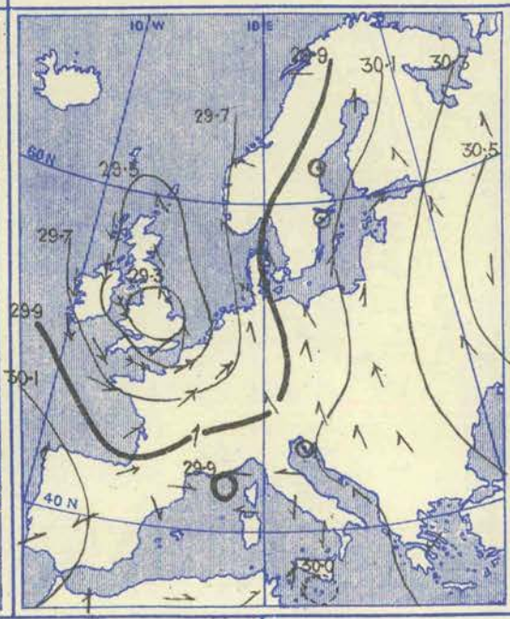
Temperature and Weather.

8 a.m.

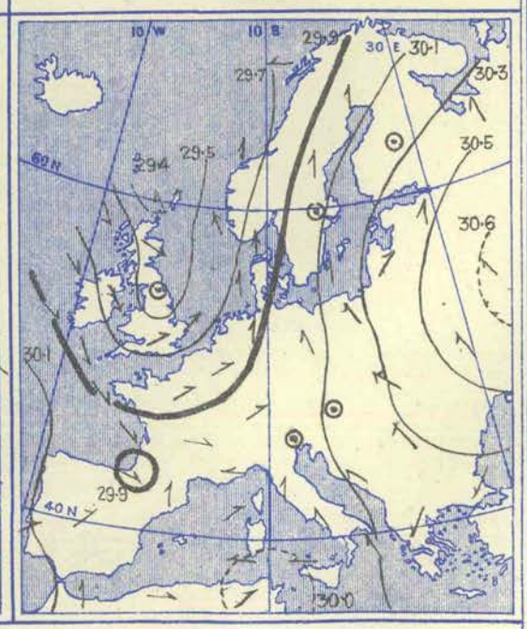


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning continuing fair over Russia and central and south-western Europe, though dull in some places, and foggy in others; very rough and unsettled over the British Islands and their neighbourhood, with rainy, squally weather except in the east and north-east. Rain later in all parts of our Islands and their neighbourhood, and a large quantity at Nice; hail showers at Jersey, but some clearances in the sky in the south at night.

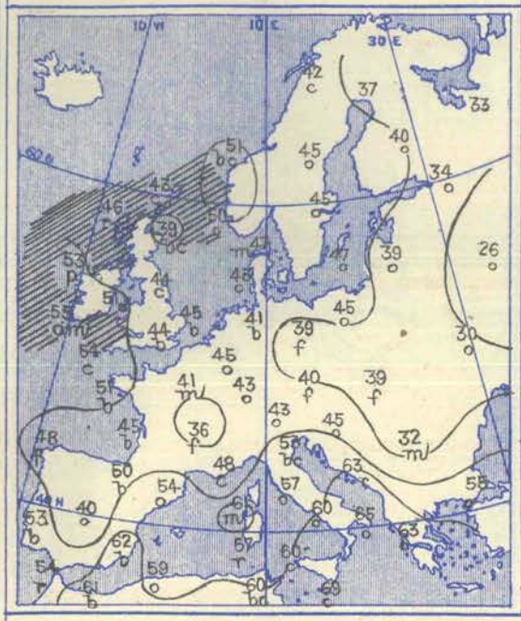
Temperature fallen several degrees over Ireland and at some of our southern stations, but remaining very high for November over Great Britain. Morning readings highest, 67° to 60° over the southern parts of the Mediterranean, 55° at Biarritz, and 53° to 50° over many parts of England; 50° at Aberdeen and Wick. Lowest, 18° at Moscow, 27° at Kharkov, and below 32° over the greater part of Russia, 35° at Hernösand, 33° at Munich. Rising later to between 50° and 55° over England, to 62° at Perpignan, 63° at Lisbon, and 70° in the Azores.

Wind light and anticyclonic (mainly South-Easterly) over Russia, and very variable over south-western Europe. Cyclonic over the British Islands, and blowing a gale from North and North-West at our western stations, from North-West and West in the south, and a moderate breeze from South-East on our north-east coasts and on the eastern shores of the North Sea. Gale in west, moderating later, but wind becoming strong and gusty at times in the east of England.

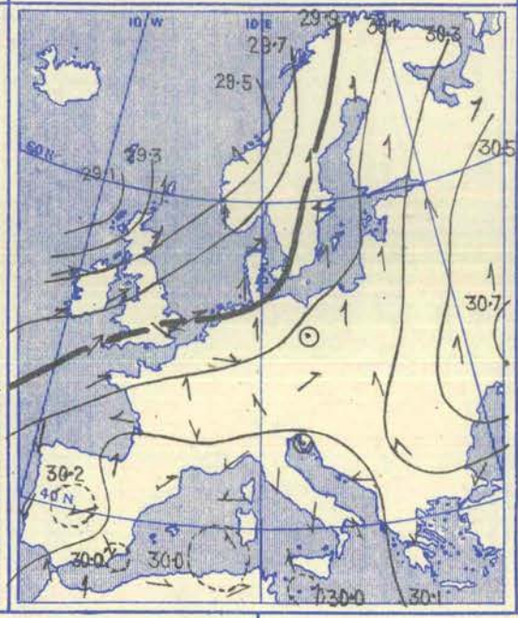
Barometer highest, (1) 30·5 ins. and more to 30·1 ins. over Russia, Poland, and south-eastern Europe; (2) 30·1 ins. and more to 30·0 ins. over Portugal and the greater part of Spain. Lowest, 29·3 ins. and less in a deep and complex depression over the north of England. Depression moving northwards later and filling up; barometer rising over the British Isles generally.

Thursday, 8th November.

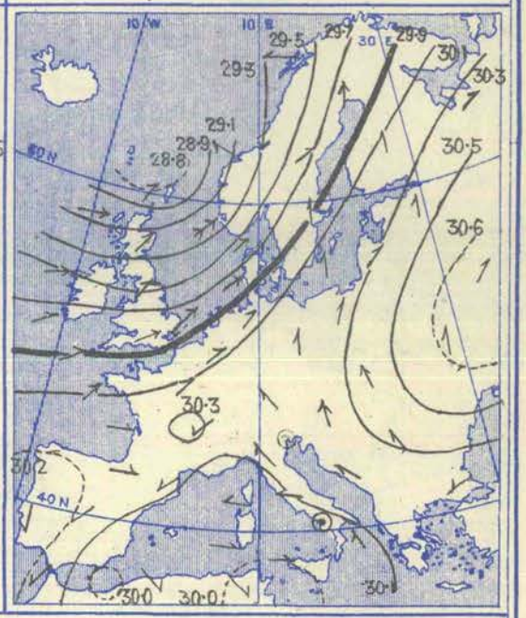
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair generally over Russia, central and south-western Europe, foggy over some of the southern parts of France, temporarily clear over the eastern half of England, but again very unsettled and rainy over Ireland and Scotland. The unsettled weather spreading later all over England and the neighbouring parts of the Continent, and heavy falls occurring at many of the Mediterranean Stations and in Algeria.

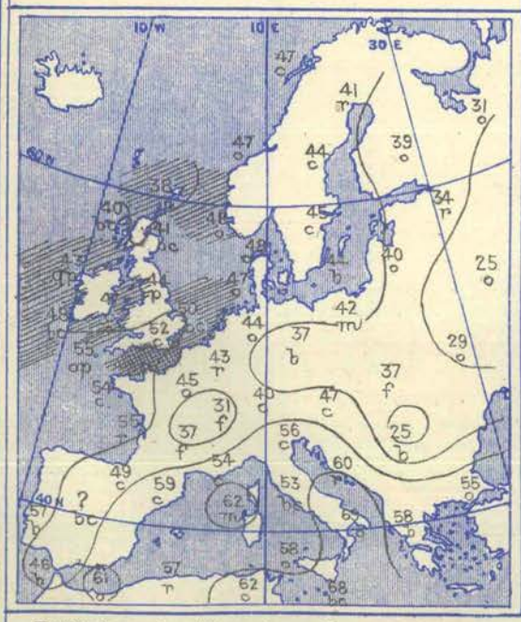
Temperature fallen over France, England and the east of Scotland, risen over Ireland. Morning readings highest, 69° at Malta, 65° at Brindisi, 63° at Lesina and Patras, 61° at Cagliari, above 50° at most of our Channel Stations, 55° at Valencia, 51° at Christiansund. Lowest, 26° at Moscow, 27° at Kharkov, and below 32° over the greater part of Russia, 36° at Belfort and Lyons, 34° at Le Mans, 39° at Berlin. Rising to above 50° over England later to 57° at Paris, 81° at Sanguinaire, 77° at La Calle. Changing fitfully over the British Isles generally.

Wind very light from South-South-East over the greater part of Russia, moderate from about the same quarter over the eastern shores of the North Sea; South-Westerly to Southerly over the British Islands and blowing very strongly (a gale in places) on our north-western coasts. Gales felt sporadically at a few of our western stations, and wind veering toward west; strong gusts over the eastern parts of England also, but light winds continuing over the eastern and southern counties.

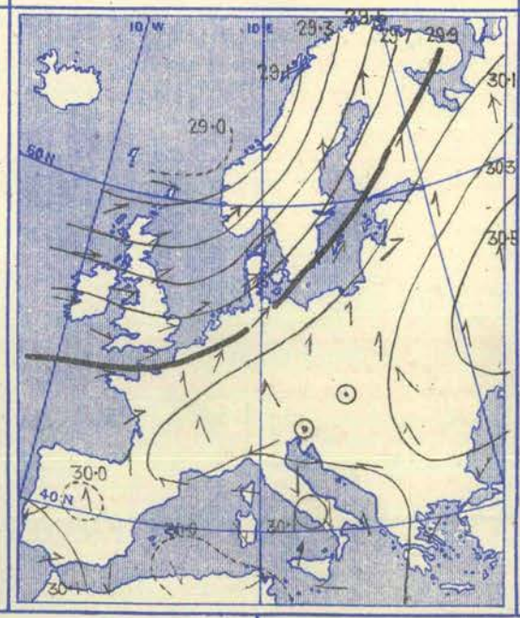
Barometer highest over Russia, Germany, France and Spain (highest of all 30·7 ins. at Kharkov); lowest, 29·1 ins. and less to 29·4 ins. in a new depression over Scotland, the Hebrides and North of Ireland. The depression in the north moving north-eastwards later and secondaries advancing eastwards over England. Shallow disturbances over the Mediterranean.

Friday, 9th November.

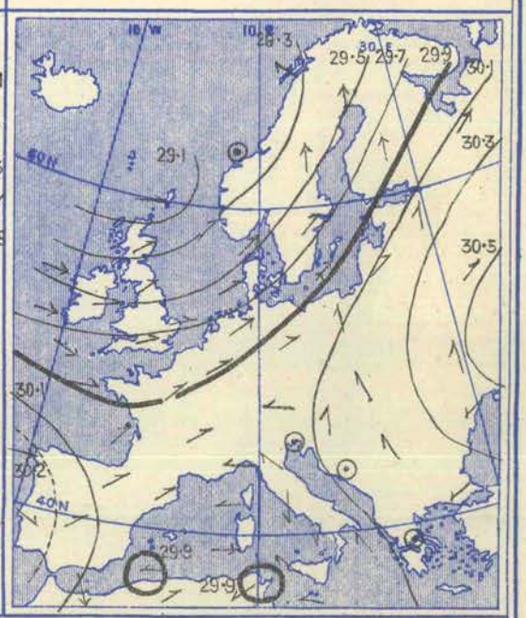
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still very changeable over the British Islands and their neighbourhood with rain at several stations, and some hail at Malin Head, fair over the south-western and central parts of France, central Europe, and also Russia but foggy in several localities. Rain later in our Islands except at the eastern and southern stations, and considerable falls in many parts of France and Norway, lightning at Donaghadee.

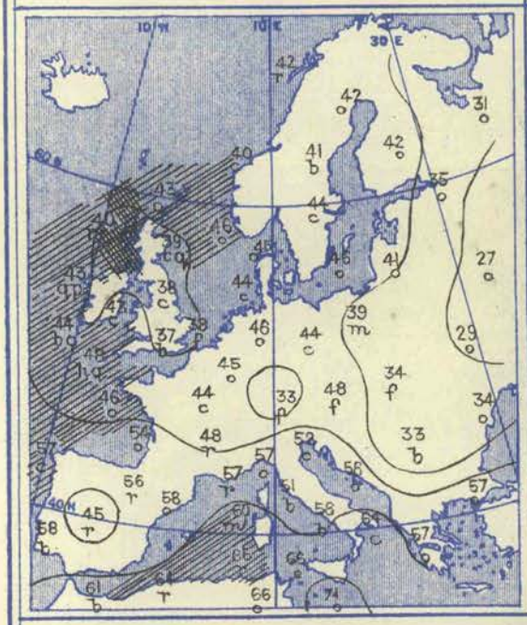
Temperature falling in Ireland, Scotland and the west of Norway, rising over England and and the north and west of France. Morning readings highest, 68° at Sfax and Malta, and exceeding 60° at several of the more southern of the Mediterranean stations; 59° to 54° on the south coast of France, 55° to 50° on the south and east coasts of England. Lowest, (1) 24° at Kharkov, 25° Moscow, 34° at St. Petersburg, 37° at Belfort, 37° at Lyons. Rising later to between 50° and 58° in the east and south of England, to 66° at Nice, 68° at Ponta Delgada; 70° at Brindisi, 73° as Palermo; colder over England at night.

Wind light and variable over the eastern and southern countries of Europe; strong and mainly Westerly in our Islands, South-Westerly to Southerly over the countries lying to the eastward of the North Sea, and blowing a gale in several places. Moderating and veering in our Islands later, but local irregularities still reported in places.

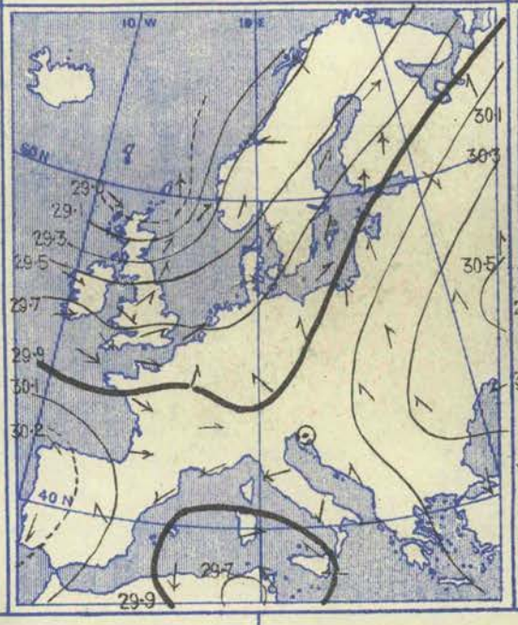
Barometer highest, (1) 30·5 ins. and more to 30·3 ins. over Russia, and 30·2 ins. to 30·0 ins. over central Europe; (2) 30·44 ins. in the Azores and exceeding 30·1 ins. over the south-western parts of the Spanish Peninsula. Lowest, 29·0 ins. and less in a depression to the northward of Sumburgh Head. Gradient steep over north-western Europe. The south-west high pressure area spreading later, that over Russia giving way.

Saturday, 10th November.

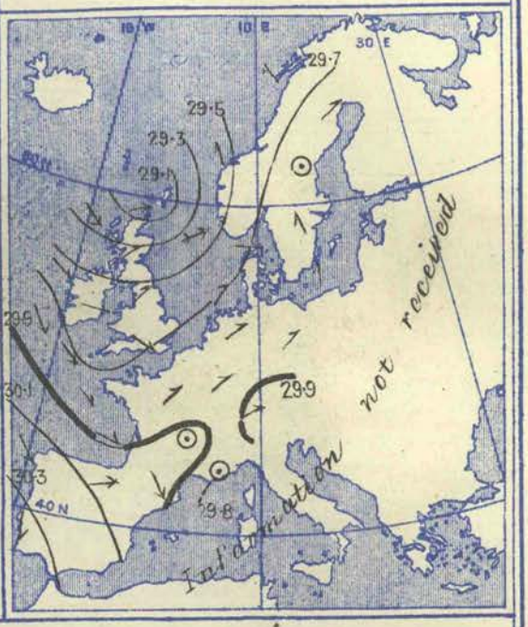
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fair over Russia, but less so over central and south-western Europe, where at 8 a.m. rain fell in many places; still rainy and unsettled in the north of our Islands, hail squalls in the west. Improving in most places later, but heavy rain and hail reported at Jersey in the night, thunderstorms both there and at Stornoway.

Temperature falling over Ireland, England, and France. Morning readings highest, 71° at Malta and above 60° on the southern side of the Mediterranean, 57° at Corunna, 56° to 50° on the south-west coasts of France, 48° at Scilly, 46° to 42° over eastern Germany. Lowest, (1) 27° to 31° over central Russia; (2) 33° at Munich,; (3) 36° at Parsonstown, 37° over the midland counties of England. Going down over our Islands all day; minima very low inland next night.

Wind light (Southerly to Easterly) over Russia, Poland, Hungary and eastern Prussia; variable over central Europe, North-Westerly over Portugal and the western and southern parts of the British Islands; but South-Westerly over the North Sea and Scandinavia. Southerly over Finland. The North-Westerly wind in our Islands spreading slowly later.

Barometer highest, (1) 30·5 ins. and more to 30·0 ins. over Russia and south-eastern Europe; (2) 30·2 ins. and more to 30·0 ins. over the Spanish Peninsula, and 30·5 ins. over the Azores. Lowest, (1) 29·0 ins. and less in the Shetlands and extreme north of Scotland and over the Hebrides; (2) 29·7 ins. and less in another depression over Tunis. Rising decidedly over our Islands later, falling over the Mediterranean; a secondary disturbance appearing over Devonshire in the evening, and moving south-eastward and eastward in the night.

GENERAL NOTES.

The two most striking features in the distribution of pressure over Europe during this week have been (1) the persistence of anticyclonic systems, one over Russia, the other over the extreme south west of Europe and the neighbouring parts of the Atlantic. These have generally been connected with one another by a band or "col," lying from south-west to north-east across various parts of France and Germany and in which small secondary anticyclones have been developed. (2) The frequent appearance over the British Islands and north-western Europe of depressions arriving from the Atlantic; some were simple, others very complex systems, and movements of the latter were rather irregular. There were also, occasionally, small systems found over the Mediterranean and Adriatic.

Under these circumstances the weather in the United Kingdom has been very mild, and rain has been frequent, while on the Continent the conditions have been less disturbed and the temperature inland (especially over Russia) has been lower. Over the Mediterranean and south of France there were on some occasions considerable quantities of rain, due to the shallow disturbances referred to above.

At the close of the week the barometer was rising generally over the British Islands and north-western Europe, temperature was falling rather decidedly and the weather was clearing up as an anticyclone in the south-west began to encroach.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 266.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	4·4	?	8	?	BRIGHTON	13·2	- 6·8	21	- 9
STRATHPEFFER SPA	15·3	+ 1·3	26	+ 4	WORTHING	16·3	?	25	?
EDINBURGH	3·4	-11·6	6	-17	BOGNOR	16·8*	?	26*	?
MORPETH	8·4	?	14	?	WATERGATE (Emsworth)	16·1	?	25	?
NEWCASTLE-ON-TYNE	8·0	?	13	?	WESTBOURNE (Emsworth)	15·8*	- 0·8	25*	0
OSWALDKIRK (Yorkshire)	7·3	- 5·7	12	- 9	VENTNOR HOSPITAL	14·4	?	23	?
YORK					SOUTHPORT	9·9	?	16	?
LOWESTOFT	24.0	?	38	?	RHYL	14·4*	?	23*	?
HOLLESLEY BAY	21·0	?	33	?	COLWYN BAY		?		?
SHEFFIELD	11·6	?	18	?	ABERDOVEY	13·3*	?	21*	?
WORKSOP	14·4	+ 1·0	23	+ 3	TENBY	16·5	- 1·3	26	- 1
THURCASTON (Leicestershire)	17·0	+ 2·0	27	+ 3	NEWQUAY	16·8	- 3·2	26	- 5
MARGATE	17·7	+ 0·4	28	+ 1	TORQUAY	17·7	+ 0·2	27	+ 1
EASTBOURNE	12·2	- 5·3	19	- 7	GUERNSEY	10·0*	- 7·6	15*	-11

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Aug. 25th, 1900	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	31·4	?	32	?
" " " " "	Tenby	—	—	—	—	—	—	—	—	—	—	—	26·8	- 15·2	27	- 15
" " Sept. 1st, "	Durham	67	46	61·7	48·6	54·8	- 1·7	90	0	1	0·02	- 0·48	17·9	- 13·5	18	- 14
" " " " "	Londonderry	70	46	64·2	50·3	56·8	+ 0·2	104	0	3	0·48	- 0·32	—	—	—	—
" " " " "	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	33·5	+ 5·0	35	+ 6

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 46.] *Third Series.* WEEK ENDING SATURDAY, NOVEMBER 17TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 272.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	52	29	46·0	36·4	41·2	0 (average)	11	− 8	22	+ 7	2063	+149	706	+ 12
	1. SCOTLAND, EAST	52	26	45·6	34·9	40·3	1 below	10	−10	28	+ 3	2225	− 75	777	+ 42
	2. ENGLAND, N.E.	56	31	49·4	38·1	43·8	1 above	29	+ 4	11	− 1	2637	+140	538	− 54
	3. ENGLAND, EAST	57	24	50·3	36·5	43·4	0 (average)	33	+ 4	15	+ 1	3132	+244	552	−117
	4. MIDLAND COUNTIES	56	25	49·4	37·1	43·3	1 above	30	+ 2	14	− 2	2943	+ 84	594	− 93
	5. ENGLAND, SOUTH	58	23	51·9	40·1	46·0	1 above	36	− 1	5	− 3	3317	+169	394	−116
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	53	32	47·5	39·0	43·2	0 (average)	21	− 4	8	− 4	2482	+ 51	528	+ 14
	7. ENGLAND, N.W.	54	33	49·1	40·7	44·9	1 above	26	− 3	4	− 5	2770	+105	457	− 35
	8. ENGLAND, S.W.	57	27	51·8	41·4	46·6	2 above	35	− 5	2	− 3	3111	+148	338	− 42
	9. IRELAND, NORTH	53	31	48·6	39·8	44·2	1 above	25	− 2	6	− 5	2612	+ 50	436	+ 2
	10. IRELAND, SOUTH	58	30	51·4	41·0	46·2	1 above	34	− 3	3	− 5	3026	+112	377	+ 44
	—CHANNEL ISLANDS	57	40	55·1	46·7	50·9	2 above	64	+ 5	0	− 1	3867	+452	97	− 52

Rainfall.

	DISTRICTS. (See p. 272.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	12	1 less	226	+13	45·7	+ 3·1
	1. SCOTLAND, EAST	6	12	5 more	191	+16	31·2	+ 3·4
	2. ENGLAND, N.E.	5	6	0 (average)	163	− 1	27·1	+ 4·0
	3. ENGLAND, EAST	6	7	1 more	161	+ 1	21·9	− 0·8
	4. MIDLAND COUNTIES	6	7	1 more	158	+ 1	25·2	+ 0·1
	5. ENGLAND, SOUTH	6	9	2 more	146	− 7	23·0	− 2·4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	16	2 more	206	+24	51·3	+ 6·3
	7. ENGLAND, N.W.	6	11	2 more	177	+ 7	33·7	+ 3·0
	8. ENGLAND, S.W.	6	13	2 more	181	+ 8	37·1	+ 1·6
	9. IRELAND, NORTH	6	14	5 more	211	+14	35·2	+ 3·9
	10. IRELAND, SOUTH	5	12	3 more	185	+ 6	38·9	+ 5·0
	— CHANNEL ISLANDS	7	13	4 more	185	+ 3	27·4	− 1·4

Bright Sunshine.

	DISTRICTS. (See p. 272.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	12	+ 2	21	+ 5	1060	+ 32	26	+ 1
	1. SCOTLAND, EAST	13	+ 1	23	+ 2	1123	−104	27	− 3
	2. ENGLAND, N.E.	13	+ 2	21	+ 4	1170	− 52	29	− 1
	3. ENGLAND, EAST	17	− 3	28	− 4	1620	+ 80	38	+ 2
	4. MIDLAND COUNTIES	12	− 3	19	− 2	1349	+ 82	34	+ 2
	5. ENGLAND, SOUTH	15	− 1	23	− 1	1680	+125	41	+ 4
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	16	+ 4	27	+ 7	1262	− 34	31	− 1
	7. ENGLAND, N.W.	14	+ 4	24	+ 5	1442	+109	34	+ 2
	8. ENGLAND, S.W.	21	+ 5	34	+ 9	1673	+ 93	41	+ 2
	9. IRELAND, NORTH	18	+ 3	31	+ 6	1272	+ 66	31	+ 2
	10. IRELAND, SOUTH	18	+ 2	30	+ 3	1401	+ 30	34	0
	— CHANNEL ISLANDS	14	− 7	22	− 9	1869	+115	48	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was again very unsettled generally. Rain fell very frequently, but the amounts were slight as a rule. Towards the end of the period the conditions were improving over all the more northern parts of the Kingdom.

Temperature was a little above the mean in most districts, but just equal to it in Scotland N. and W. and England E., and slightly below it in Scotland E. The highest of the maxima were recorded either on the 12th or 13th, and ranged from 58° in England S. and Ireland S. to 53° in Scotland W. and Ireland N., and to 52° in Scotland N. and E. The lowest of the minima occurred during the earlier days of the week, when the sheltered thermometer fell to 23° in England S., 24° in England E., 25° in the Midland counties, and to between 26° and 32° in most other districts ; in the Channel Islands the minimum was 40°.

Rainfall was rather less than the mean in Scotland N., and just equal to it in England N.E., but more than the average in all other districts ; the excess in Scotland E. and Ireland N. was rather large.

Bright Sunshine exceeded the average for the time of year in most districts. The percentage of the possible duration ranged from 34 in England S.W. and 31 in Ireland N. to 21 in Scotland N. and England N.E., and to 19 in the Midland counties.

Barometer and Wind.—During the greater part of this period depressions and their secondaries moved eastwards or north-eastwards over our Islands and the North Sea, causing a continuation of South-Westerly to Westerly and North-Westerly winds, which varied in strength from a light breeze to a moderate gale. During the latter days of the week, however, a depression moved south-south-eastwards over the north of Ireland and the western parts of England to central France, and the barometer rose on our western and northern coasts. The change thus brought about in the distribution of pressure occasioned fresh or strong winds from the Northward and North-Eastward very generally, and in some places a moderate or fresh gale. At the end of the week anticyclonic conditions were approaching our Islands from the north-westward.

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II.—DATA from which the SUMMARY on page 271 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	49	34	46·7	38·6	42·7	+ 0·6	19	10	6	0·61	− 0·39	*	*	*	*
	Stornoway	49	30	45.9	35·3	40·6	− 1·3	11	26	7	2·81	+ 1·69	14·8	+ 3·7	27	+ 7
	Wick	52	30	47·6	35·7	41·7	+ 0·2	16	26	7	0·63	− 0·07	*	*	*	*
	Lairg Ⓢ	52	29	46·6	33·5	40·1	+ 0·1	13	33	7	1·01	+ 0·19	*	*	*	*
	Glencarron Ⓢ	47	32	43·8	35·9	39·9	− 0·6	5	23	6	1·27	− 0·98	*	*	*	*
	Fort Augustus Ⓢ	49	33	45·4	37·8	41·6	− 0·2	10	17	6	0·70	− 0·31	8·0	+ 3·1	14	+ 6
	Fort William Ⓢ	49	34	46·1	37·9	42·0	− 0·5	11	11	4	1·07	− 0·78	5·2	− 2·8	9	− 5
1. SCOTLAND, E.	Nairn	52	30	46·6	35·4	41·0	+ 0·2	13	26	5	0·62	+ 0·12	*	*	*	*
	Aberdeen	48	29	46·4	35·4	40·9	− 0·9	12	26	6	1·11	+ 0·38	16·3	+ 1·5	29	+ 4
	Braemar Ⓢ	45	26	40·9	32·4	36·7	− 1·3	0	37	6	1·27	+ 0·39	8·8†	+ 1·8†	16†	+ 3 †
	Ochtertyre Ⓢ	50	28	46·7	33·7	40·2	− 0·7	13	32	5	1·28	+ 0·27	*	*	*	*
	Leith	52	35	48·6	37·7	43·2	+ 0·4	26	12	5	1·29	+ 0·81	*	*	*	*
	Marchmont Ⓢ	50	29	44·3	35·0	39·7	− 0·5	6	26	6	1·70	+ 0·90	13·0	− 0·5	23	− 1
2. ENGLAND, N.E.	Alnwick Castle	51	33	47·4	36.2	41·8	− 0·2	15	24	6	1·16	+ 0·42	*	*	*	*
	Durham	53	31	48·1	37·2	42·7	+ 1·3	25	13	6	0·51	− 0·14	14·1	+ 1·0	24	+ 2
	Shields	54	33	48 7	37·4	43·1	+ 0·1	27	13	4	0·64	+ 0·08	*	*	*	*
	Scarborough ℳ	56	33	51·4	39·9	45·7	+ 2·4	35	6	5	0·28	− 0·41	10·0	?	17	?
	Spurn Head	54	35	49·9	39·9	44·9	+ 0·9	29	8	5	0·63	+ 0·10	*	*	*	*
	Fulbeck (Lincolnshire)	55	31	51·1	37.9	44·5	+ 2·5	35	11	6	0·55	?	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	54	24	48·5	35·8	42·2	0·0	27	17	7	1·05	+ 0·43	10·4	− 2·8	17	− 5
	Yarmouth	56	30	49·9	36·9	43·4	− 0·3	31	14	5	0·63	− 0·05	*	*	*	*
	Geldeston	57	26	51·3	35·9	43·6	+ 0·1	37	17	7	0·61	0·00	19·4	+ 3·8	32	+ 8
	Cambridge	57	26	51·5	35·6	43·6	+ 1·0	38	18	6	0·41	− 0·08	9·4	− 6·1	15	−10
	Felixstowe	54	31	50·7	38·9	44·8	+ 0·8	33	9	6	0·44	?	22·8†	?	37†	?
	Rothamsted	56	26	50·1	35·6	42·9	+ 0·8	33	18	7	0·83	+ 0·17	9·8	− 5·2	16	− 9
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	52	30	47·7	35·4	41·6	− 0·5	16	27	5	0·56	+ 0·07	*	*	*	*
	Loughborough	56	25	50·3	35·1	42·7	− 0·6	34	19	7	0·79	+ 0·27	*	*	*	*
	Cheadle ℳ	54	31	47.7	36·9	42·3	+ 0·8	24	14	6	0·97	+ 0·25	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	52	32	49·1	38·8	44·0	+ 2·1	27	9	6	0·64	+ 0·04	11·8	?	19	?
	Churchstoke ℳ	55	29	49·2	37·6	43·4	+ 1·4	28	12	6	0·72	− 0·09	12·3	0·0	21	0
	Hereford (Belmont) ℳ	56	27	50·5	38·1	44·3	+ 1·2	32	11	6	0·62	+ 0·01	*	*	*	*
	Cirencester	54	25	49·4	36·7	43·1	+ 1·1	30	15	7	0·72	0·00	13·8	− 0·6	23	0
	Oxford	55	29	51·0	38·1	44·6	+ 1·5	35	11	6	0·55	− 0·01	10·3	− 4·0	18	− 5
5. ENGLAND, S.	London	58	27	51·7	38·4	45·1	+ 1·1	37	10	6	0·79	+ 0·24	3·9†	− 6·1†	6†	− 9†
	Swarraton (Alresford) ℳ	54	23	50·6	36·9	43·8	+ 0·3	34	14	7	1·07	?	*	*	*	*
	Dungeness	56	33	53·3	41·3	47·3	+ 1·9	40	2	7	0·91	+ 0·13	15·1	?	24	?
	Hastings (St. Leonards)	55	35	51·6	41·4	46·5	+ 1·5	34	2	6	1·04	+ 0·25	14·7	− 2·3	24	− 4
	Southampton	56	29	53·4	40·5	47·0	+ 2·0	41	4	6	1·15	+ 0·42	14·7	− 0·5	24	0
	Portland Bill	56	35	52·9	42·7	47·8	+ 1·3	41	0	5	0·59	?	*	*	*	*
	Shaftesbury ℳ	54	32	50·0	39·6	44·8	+ 2·5	30	7	7	1·01	+ 0·16	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	50	32	46·3	37·4	41·9	− 1·3	12	19	6	0·97	− 1·05	*	*	*	*
	Glasgow	48	35	45·0	39·5	42·3	+ 0·3	13	7	6	1·17	+ 0·28	8.5	+ 0·5	15	+ 2
	Glenlee Ⓢ	52	34	48·7	36·9	42·8	+ 1·0	27	14	6	1·32	+ 0·34	*	*	*	*
	Douglas (Isle of Man)	53	38	49·8	42·0	45·9	+ 1·4	27	0	5	2·47	+ 1·38	22·5	+ 7·3	38	+12
7. ENGLAND, N.W.	Newton Reigny	51	33	47·4	36·3	41·9	+ 1·9	15	24	6	0·80	?	16·4	?	28	?
	Stonyhurst	51	36	47·5	40·0	43·8	+ 1·2	21	6	6	1·44	+ 0·37	12·8	+ 1·8	22	+ 4
	Blackpool ℳ	54	39	50·3	40·5	45·4	+ 2·0	30	4	5	1·15	+ 0·36	15·0	+ 4·0	25	+ 7
	Manchester (Prestwich)	54	34	48·6	38·8	43·7	+ 1·2	25	9	5	1·23	+ 0·41	12·2	?	21	?
	Liverpool Obsy. (Bidston)	53	38	49·1	40.7	44·9	+ 0·9	26	4	6	0·95	+ 0.28				
	Llandudno ℳ	54	41	50·6	45·0	47·8	+ 2·1	41	0	6	0·63	− 0·18	15·6	+ 3·6	26	+ 6
	Holyhead	54	38	50·1	43·4	46·8	+ 0.4	34	0	5	1·32	+ 0·38	*	*	*	*
8. ENGLAND, S.W.	Llandovery	54	27	51·0	36·7	43·9	+ 0·7	36	15	6	1·18	− 0·02	*	*	*	*
	Pembroke	54	40	52·0	45·4	48·7	+ 1·5	47	0	5	1·16	+ 0·21	21·5	+ 6·5	35	+11
	Clifton	55	32	50·7	42·5	46·6	+ 3·1	32	0	6	0·65	− 0·15	*	*	*	*
	Arlington (N. Devon)	53	30	50·6	40·3	45·5	+ 1·6	32	5	6	2·37	+ 0·91	*	*	*	*
	Cullompton ℳ	57	28	52·7	40·4	46·6	+ 2·7	39	4	6	0·68	− 0·16	17·3	+ 3·7	28	+ 8
	Falmouth	56	38	52·1	43·8	48·0	+ 0·2	42	0	6	1·57	+ 0·31	23·5	+ 5·7	38	+10
	Plymouth	57	35	53·7	40·6	47·2	+ 0·4	42	4	5	1·12	+ 0·24	20.4	+ 5·1	33	+10
9. IRELAND, N.	Malin Head	50	39	47·9	41·4	44·7	0·0	21	2	5	1·08	.?	*	*	*	*
	Londonderry	51	35	47·6	38·7	43·2	+ 0·2	22	9	6	1·37	+ 0·39	*	*	*	*
	Edenfel (Omagh)	51	31	47·1	38·0	42·6	+ 1·2	21	11	5	1·07	+ 0·25	*	*	*	*
	Blacksod Point	53	38	51·1	42·1	46·6	+ 0·9	32	0	6	2·11	?	*	*	*	*
	Markree Castle	52	36	49·1	40·0	44·6	+ 1·8	27	6	5	1·33	+ 0·37	15·6	+ 0·8	26	+ 2
	Armagh	52	33	48·1	38·5	43·3	+ 1·1	24	10	7	1·12	+ 0·44	20·5	+ 6·5	35	+10
	Donaghadee	53	34	49·4	39·7	44.6	+ 0·6	28	6	5	1·47	+ 0·74	*	*	*	*
10. IRELAND, S.	Dublin	56	35	50·4	41·2	45·8	+ 0·8	30	2	6	0·66	+ 0·06	23·6	+ 5·0	39	+11
	Parsonstown	54	32	49·7	37·3	43·5	0·0	30	13	5	1·04	+ 0·37	18·2	+ 3·0	30	+ 4
	Kilkenny	57	30	50·7	37·9	44·3	+ 0·1	33	11	6	0·74	+ 0·05	*	*	*	*
	Roche's Point	58	37	52·1	43·4	47·8	+ 1·0	41	0	5	0·71	− 0·30	*	*	*	*
	Valencia	55	39	52·9	44·1	48·5	+ 0·9	46	0	6	1·69	+ 0·36	12·9	− 3·2	21	− 5
	Killarney	57	33	52·7	41·7	47·2	+ 1·7	38	1	5	1·87	?	*	*	*	*
	Foynes	55	36	51·3	41·6	46·5	+ 1·6	33	1	5	1·42	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	57	43	55·6	46·6	51·1	+ 1·4	64	0	7	0·97	+ 0·09	20·5	?	33	?
	Jersey	57	40	54·7	46·7	50·7	+ 2·2	61	0	7	1·70	+ 0·70	11·4	− 6·7	18	− 9

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

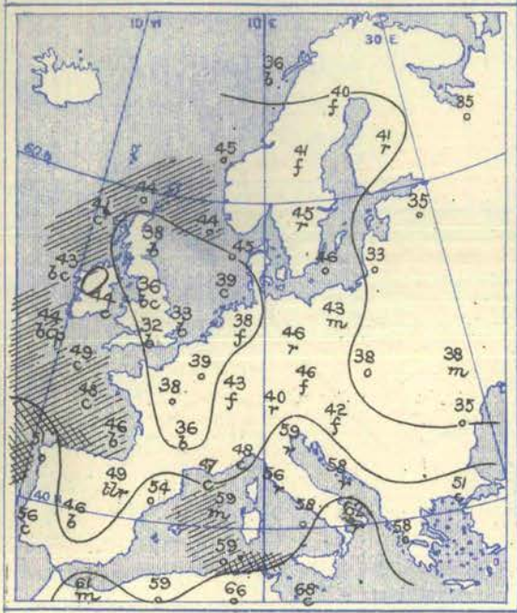
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

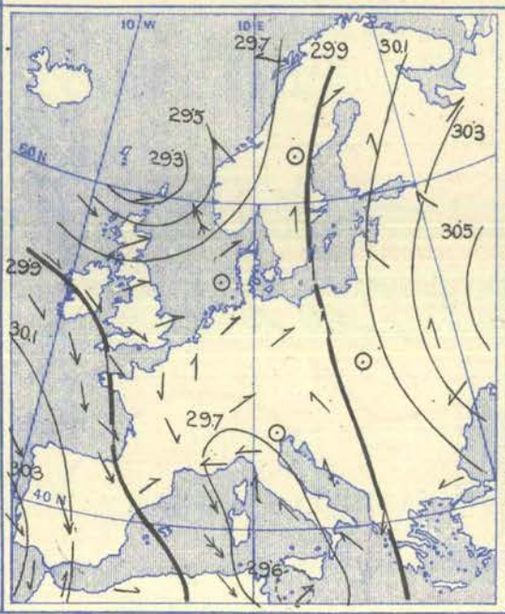
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 11th November.

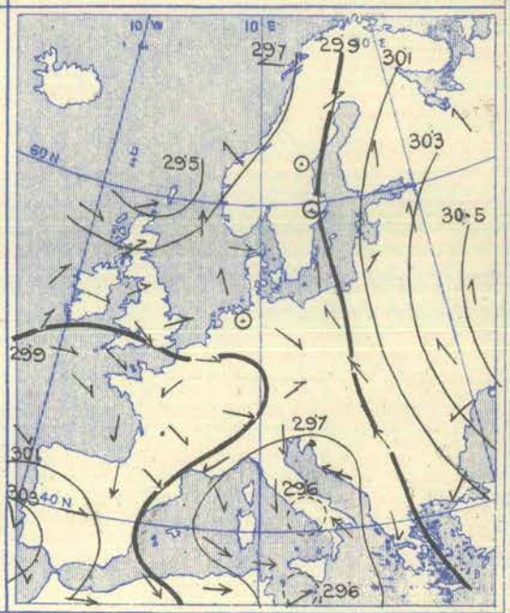
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the United Kingdom, but dull and showery in the north of Scotland. Cloudy or dull over the Continent as a whole, with fog in many parts of Sweden, Denmark, Holland, Germany, and Austria; rain falling at several of the German and Italian stations, and a thunderstorm, with hail, reported at Biarritz. Rain falling later in Austria—heavily (2·0 ins.) at Trieste; rain also setting in at night over the western parts of our Islands. Thunderstorm occurring at Algiers.

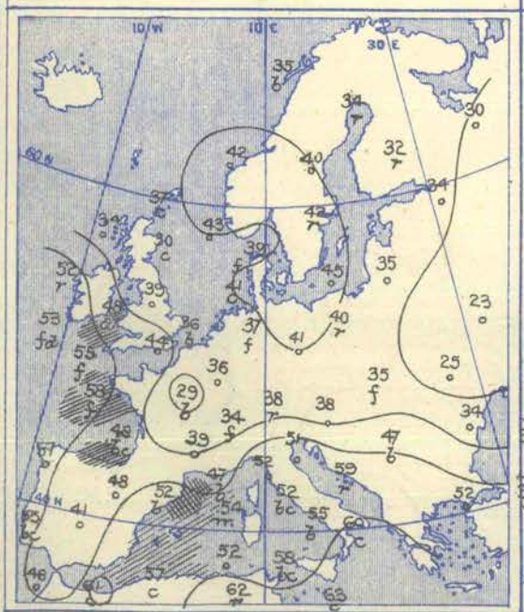
Temperature fallen over western Europe generally, changed very irregularly elsewhere. Morning readings highest, 68° at Malta, 66° at La Calle, and 62° at Brindisi; above 55° at most of the Mediterranean and Adriatic stations. Lowest, (1) 26° at Kharkov, 30° at Nicolaieff, and 35° at Archangel, St. Petersburg, Cracow, and Odessa; (2) 31° at Loughborough and Oxford, 32° in London, and 33° at Parsonstown. Daily maxima below 45° in the northern and eastern parts of Great Britain, and below 50° on all but our extreme south and south-west coasts. Thermometer exceeding 60° over southern Europe generally, and reaching 70° at Brindisi and Palermo, and 73° at Sanguinaire.

Wind light to moderate from the North-Westward over the west and south of our Islands, France, and the Spanish Peninsula. Westerly or South-Westerly on our own north and east coasts; Southerly (South-Easterly to South-Westerly) over northern and central Europe generally, and light in force in most places, but blowing a gale at Skudesnaes, Easterly or South-Easterly in Italy; Northerly or North-Easterly in Greece, subsequently backing to the Southward in the west of Ireland, and to the Westward on other parts of our western coasts.

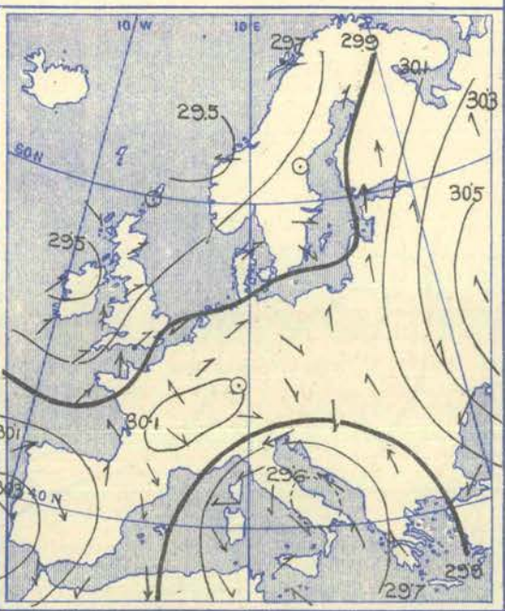
Barometer highest, 30·5 ins. and upwards to 30·1 ins. in a large anticyclone over Russia; 30·3 ins. and upwards to 30·1 ins. in another system extending from the Atlantic over the western parts of the Spanish Peninsula. Lowest, 29·3 ins. and less in a depression with its centre a little to the northward of the Shetlands, 29·6 ins. and less in another disturbance over Sicily. Northern depression moving away later to the northward, but new depression approaching Ireland from the westward.

Monday, 12th November.

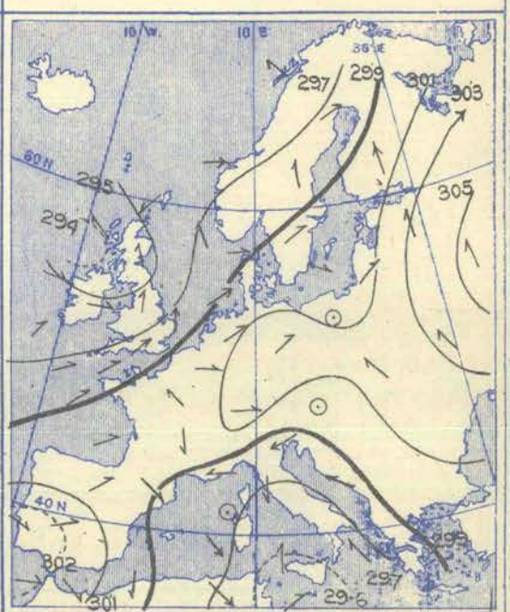
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the east of England and the north-east of Scotland, but dull elsewhere, with rain at all our more western stations; cloudy or dull over the greater part of the Continent, with fog or mist in Denmark, Germany, and central France, and with rain in Finland and Sweden, as well as at Neufahrwasser, Prague, Munich, and Lesina; rain falling also in Greece. Fine over southern Italy and the extreme south of France. Rainy weather extending later over the east of our Islands and the neighbouring parts of the Continent. Thunderstorm occurring at La Calle.

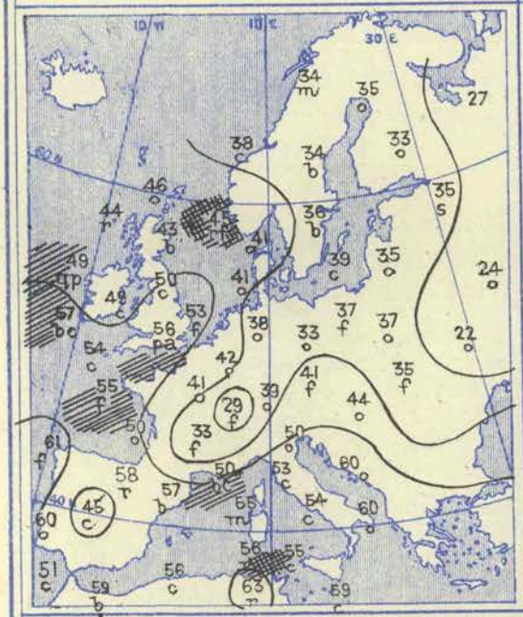
Temperature risen over England and Ireland but fallen in most other countries. Morning readings highest, 63° at Malta, 62° at La Calle, and 61° at Nemours and Oran; above 55° at many of the Mediterranean and Adriatic stations, and above 50° on our own extreme west and south-west coasts. Lowest, (1) 23° at Moscow, 24° at Kharkov and 25° at Kiev; (2) 29° at Paris and Limoges; (3) 30° at Aberdeen and 31° at Wick. Rising during day to 55° and upwards at several of our own southern and south-western stations, exceeding 60° in most parts of southern Europe, and reaching 70° at Bilbao and 73° at Sanguinaire.

Wind light to fresh from the Southward over England, Ireland and the western and northern parts of the Continent generally, but Westerly or South-Westerly in the north of Scotland and Easterly in the west of Norway. Westerly or North-Westerly in Germany or Austria; variable in Italy; Northerly or North-Westerly over the Spanish Peninsula and the extreme south of France. Subsequently veering to the Westward on our own western coasts and to the South-Westward in the west of France.

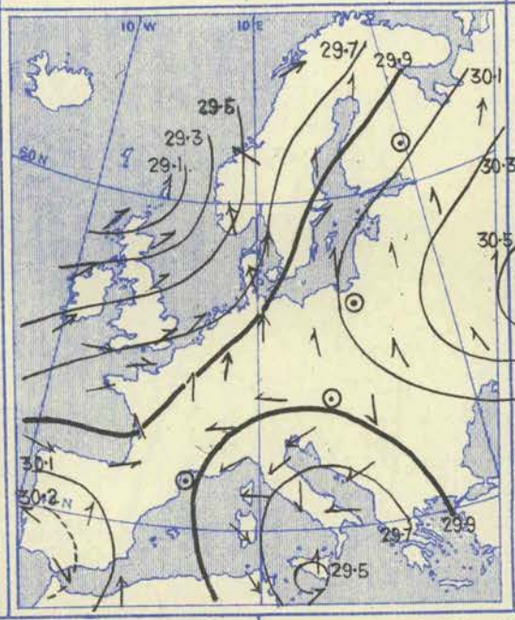
Barometer highest, 30·5 ins. and upwards in an anticyclone over central Russia; 30·3 ins. and upwards in another system over Portugal. Lowest, 29·5 ins. and less in two depressions—one lying off the north-west of Ireland and the other off the west of Norway; 29·6 ins. and less in another disturbance over the central parts of Italy and the Adriatic. Former disturbances subsequently moving slowly north-eastwards; disturbance over Italy moving southwards.

Tuesday, 13th November.

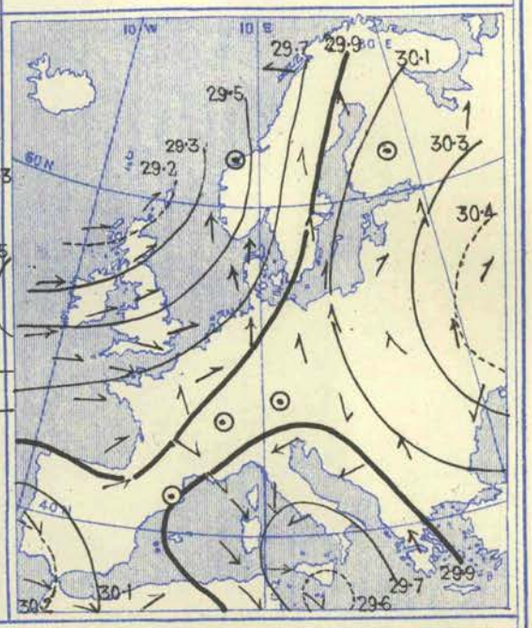
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and showery over our Islands generally, but temporarily fine in the east of Scotland and the south of Ireland. Cloudy and dull over the Continent as a whole, with fog in many parts of France, Germany, and Austria; rain at Skudesnaes, Biarritz and Bilbao, and snow at St. Petersburg. Rain falling during day in nearly all parts of western Europe, heavily in the Hebrides and the south of Norway.

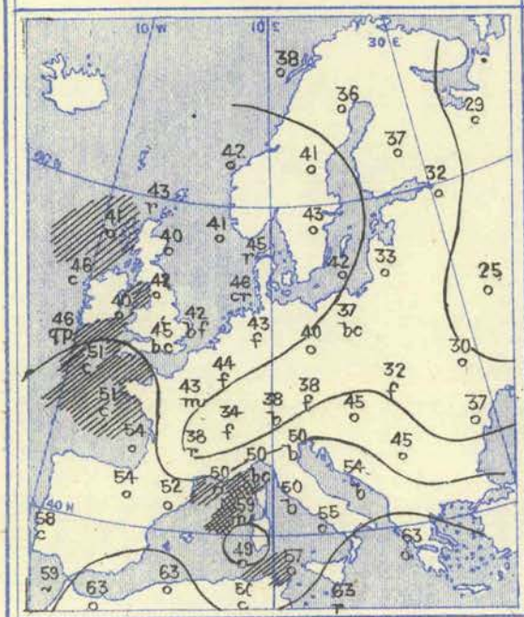
Temperature risen several degrees over Great Britain, the Netherlands, France and the Spanish Peninsula, fallen in Ireland and Germany, changed irregularly elsewhere. Morning readings highest, 63° at La Calle, 61° at Corunna and 60° at Lisbon, Lesina and Brindisi; reaching 55° and slightly more in the south of England. Lowest, 22° at Kiev, 24° at Moscow and 27° at Archangel; below 40° over northern, eastern and central Europe generally. Rising during day to 55° and upwards in many parts of England and the south of Ireland and to 58° in London; exceeding 60° over southern Europe generally, and reaching 70° at Croisette and 73° at Sanguinaire.

Wind moderate to fresh from the South-Westward over our Islands and the north and west of France; strong from the Southward or South-Eastward on the eastern shores of the North Sea, with a gale at Skudesnaes. Light to moderate from the Southward or South-Westward in Sweden and Russia. Easterly or North-Easterly over Austria, Italy and the south of France; Westerly or North-Westerly over the western parts of the Spanish Peninsula; no important change occurring during day.

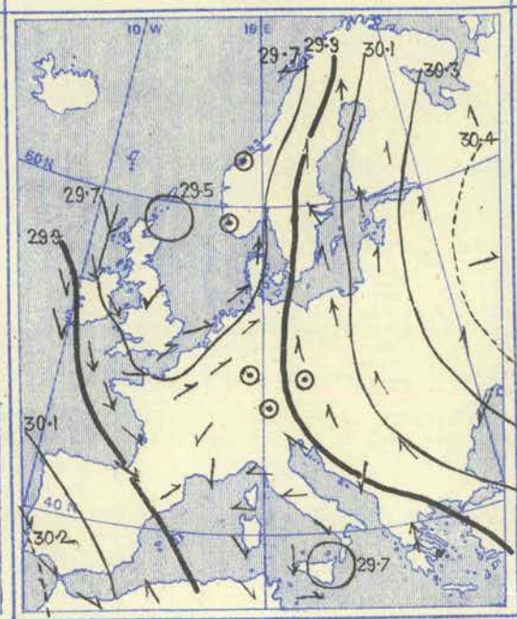
Barometer highest, 30·4 ins. and upwards to 30·1 ins., in an anticyclone over Russia (band of high pressure stretching south-westward over Germany and central France); 30·2 ins. and upwards to 30·1 ins. in another system over the Spanish Peninsula; lowest 29·1 ins. and less in a depression off the north of Scotland; 29·5 ins. and less in another disturbance over Sicily. Northern depression subsequently moving away to the northward, and barometer rising in Scotland.

Wednesday, 14th November.

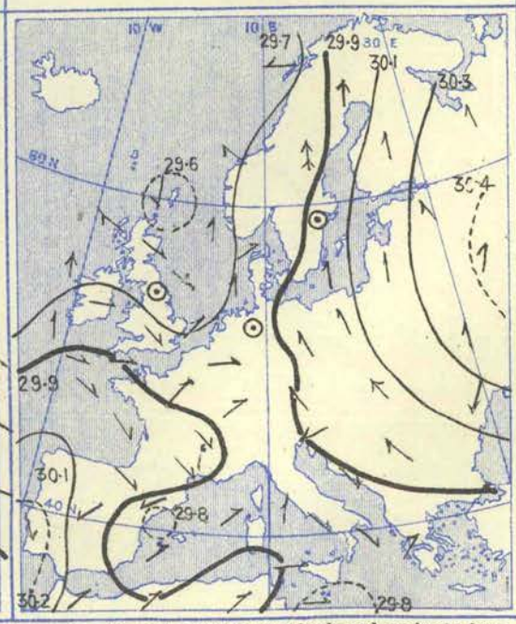
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning squally and showery in the west and north of our Islands; fair in the east and south, but foggy in places. Cloudy or dull over the Continent as a whole, with fog in several parts of Germany, the Netherlands and central France and with rain in Denmark and the south of Scandinavia. Fine over northern Italy and the Riviera. Rain falling later in most parts of western, northern, and central Europe—heavily on our own extreme western coasts.

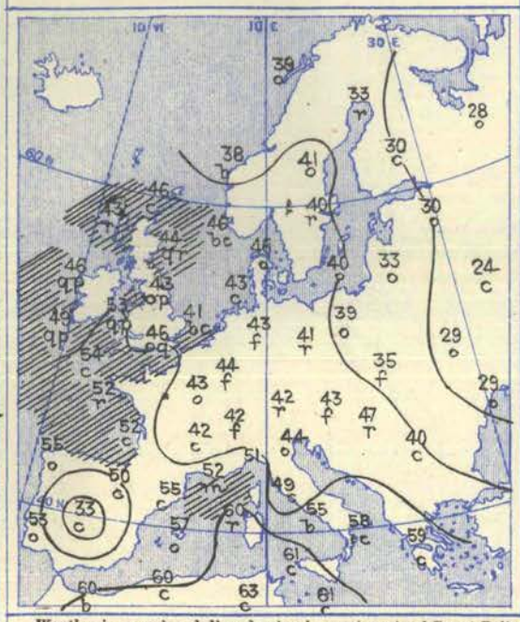
Temperature fallen decidedly in our Islands, risen in the western and northern parts of the Continent, changed irregularly elsewhere. Morning readings highest, 63° at Malta, Athens, and most of the Algerian stations, and 54° at Sanguinaire and San Fernando; above 55° at most of the Mediterranean and Spanish coast stations. Lowest, 25° at Moscow, 29° at Archangel and 30° at Kiev; apparently below the freezing point over Russia generally; below 40° over the central parts of England and Ireland. Rising during day to 55° or slightly above it on our own extreme southern coasts; exceeding 60° over southern Europe generally, and reaching 68° at Palermo and 73° at Sanguinaire.

Wind strong from the North-Westward on the west coasts of our Islands and moderate from the same quarter over the west of France and the Spanish Peninsula; light from the South-Westward over the eastern and central parts of Great Britain, and also over Denmark and the Netherlands; Southerly or South-Easterly over Germany, Russia and Sweden. Calm in the west of Norway; North-Easterly in the north of Scotland. Easterly over northern Italy, but North-Westerly in the south of that country. Subsequently veering to the North-Westward over England but backing to the Southward on our extreme western coasts.

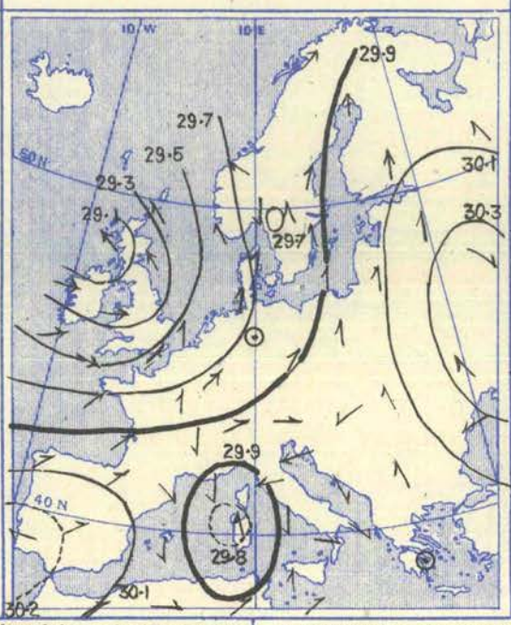
Barometer highest, 30·4 ins. and upwards to 30·1 ins. in an anticyclone over Russia; 30·2 ins. and upwards in another system off the Portuguese coasts. Lowest, 29·5 ins. and less in a depression off the north-east coast of Scotland, 29·6 ins. and less in a "V"-shaped secondary system over England; 29·7 ins. and less in a shallow disturbance off the south of Italy. Depressions in our neighbourhood subsequently moving eastwards and dispersing; new and deeper disturbance approaching our western coasts at night.

Thursday, 15th November.

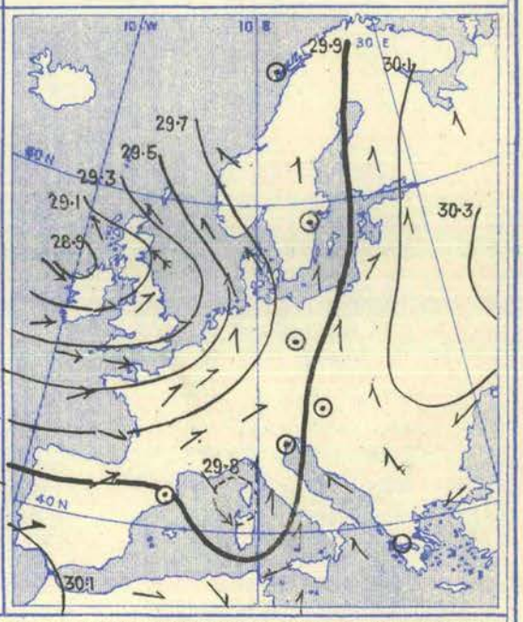
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy in most parts of Great Britain and the north of France, and showery in Ireland. Fine in the west of Norway and fair in Greece and southern Italy, but dull over the Continent as a whole, with fog over the Netherlands and many parts of Germany and Austria, and with rain in Sweden, as well as at Helsingfors, Berlin, Munich, and Buda Pesth, some improvement taking place later in the east and south of England, but rain falling in nearly all other parts of Europe—heavily (1·1 ins.) at Rome. Lightning seen at Paris in evening.

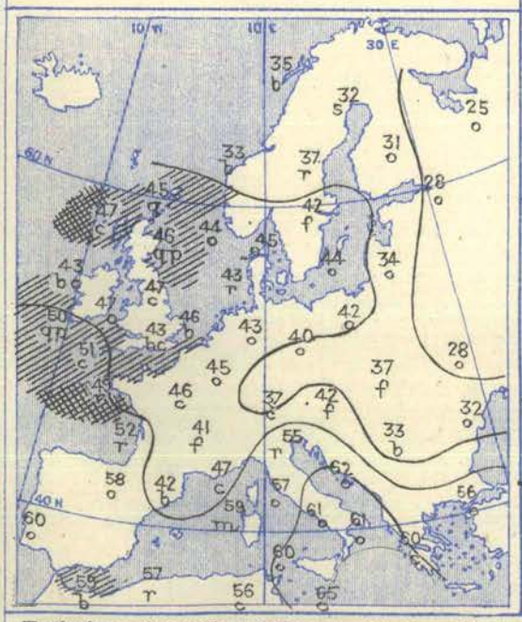
Temperature changed rather irregularly, but fallen in Russia. Morning readings highest, 63° at La Calle, 61° at Palermo and Malta, and 60° at Algiers; above 55° at most of the Mediterranean stations, and above 50° on the south-west coasts of England. Lowest, 24° at Moscow, 27° at Kharkov and 28° at Archangel; below the freezing point over Russia generally. Rising during day to between 50° and 55° in most parts of England and Ireland and to 56° at Jersey; exceeding 60° over the Spanish Peninsula and the southern parts of France and Italy, and reaching 73° at Palermo and Sanguinaire.

Wind Westerly on our western coasts but South-Westerly over the Channel and Bay of Biscay, and Southerly or South-Easterly over the north and east of our Islands and the greater part of northern Europe; strong in force on all our own western, southern, and extreme northern coasts. South-Westerly in Germany; variable in Austria, Italy, and the extreme south of France. Subsequently increasing to a gale from the Westward in the south of Ireland and from the Eastward or South-Eastward in the north and east of Scotland.

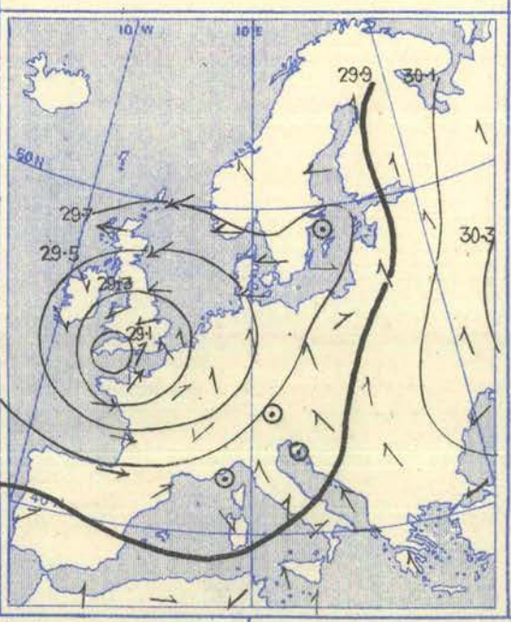
Barometer highest, 30·3 ins. and upwards to 30·1 ins. in an anticyclone over Russia; 30·2 ins. and upwards in another system over Portugal. Lowest, 29·1 ins. and less in a depression with its centre off the west of Scotland; 29·8 ins. and less in a shallow disturbance over Portugal. New disturbance, with minimum readings below 28·9 ins., appearing later off the north-west of Ireland and moving south-eastwards across Ireland at night.

Friday, 16th November.

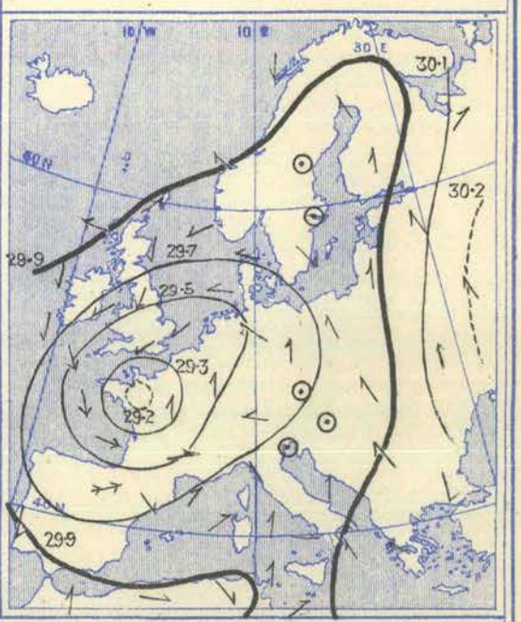
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over our Islands and the Continent generally, with rain or passing showers in the east of Scotland and the south of Ireland, as well as in the west of France, the northern parts of the Adriatic, and at several of the Swedish and Danish stations. Rain falling at Uleaborg and Haparanda. Fine in the north of Ireland and the north and east of England, as well as in the west of Norway. Rain falling later in most parts of Europe—heavily in the west of France, where thunderstorms occurred.

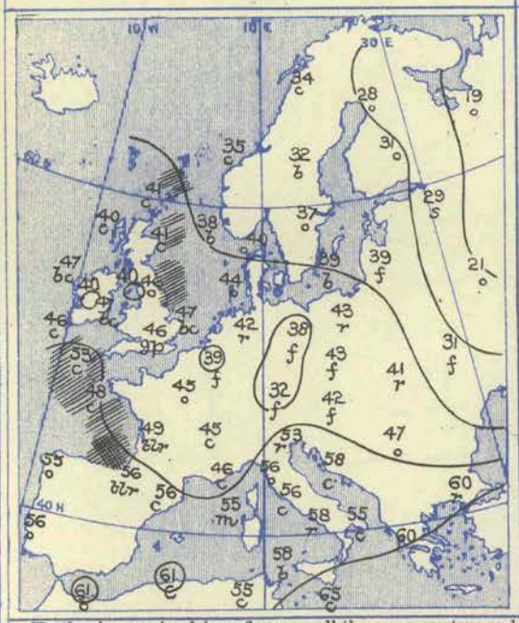
Temperature risen in Ireland and Scotland, and also in France, Spain, Italy, and Greece; fallen in most other countries. Morning readings highest, 65° at Malta, 62° at Lesina, and 61° at Naples and Palermo; above 55° at most of the Mediterranean and Adriatic stations, and above 50° in the Scilly and Channel Islands. Lowest, 22° at Kharkov, 25° at Archangel and Nicolaieff, and 28° at St. Petersburg and Kiev. Rising during day to 50° or slightly above it at several of the English and Irish stations, and to 55° at Scilly; exceeding 60° over southern Europe generally, and reaching 70° at Cape Béarn, and 72° at Malta.

Wind fresh to strong from the Westward or South-Westward over the English Channel, the Bay of Biscay, and the Spanish Peninsula; light from the Southward or South-Eastward over Russia, Germany, the Netherlands, and the east of England; Easterly or North-Easterly over Scandinavia and the northern parts of the United Kingdom, with a gale in the north and east of Scotland; strong to a gale from the Northward or North-Westward on our extreme west and south-west coasts. Subsequently shifting to the North-Eastward in the south-east of England; gale in Scotland subsiding.

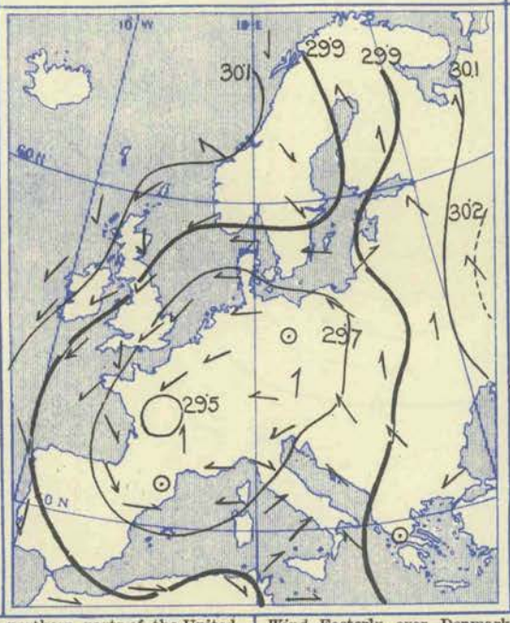
Barometer highest, 30·3 ins. and upwards in an anticyclone over Russia, 30·0 ins. and upwards in another system over Algeria. Lowest, 29·1 ins. and less in a rather deep depression with its centre over north Devon. Depression subsequently moving south-eastwards; barometer rising briskly in our Islands, and to a less extent in Scandinavia and Denmark.

Saturday, 17th November.

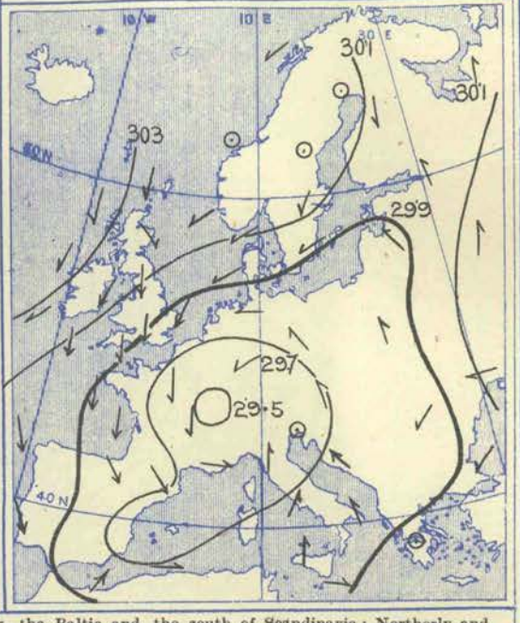
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over all the more western and northern parts of the United Kingdom, as well as at most of the Scandinavian stations. Dull in most other parts of Europe, with fog over Germany and the Netherlands, and with rain in the south-east of England and many parts of France, as well as at a few scattered places in Russia, Austria and Italy; snow falling at St. Petersburg. Thunderstorms reported in the south-west of France. Heavy rain falling during day at many of the Continental stations, as much as 3·0 ins. at Trieste, 1·8 ins. at Boulogne, and 1·4 ins. at Florence.

Temperature fallen in the western, northern and southern countries, risen elsewhere. Morning readings highest, 65° at Malta, 61° at Algiers, and 60° at Athens and Constantinople; above 55° at the Mediterranean and Adriatic stations generally. Lowest, 19° at Archangel, 21° at Moscow, and 28° at Uleaborg; below the freezing point in many parts of Scandinavia and below 40° over the central parts of Ireland and Scotland. Daily maxima below 50° over the greater part of the United Kingdom, and below 55° in many parts of France. Frost occurring in Ireland and Scotland at night.

Wind Easterly over Denmark, the Baltic and the south of Scandinavia; Northerly and North-Easterly over the United Kingdom and the north of France, and strong in force on our south and east coasts; North-Westerly over the Bay of Biscay and the Spanish Peninsula; South-Westerly in Italy. South-Easterly or variable in Germany and Austria. Light from the Southward or South-Eastward over the greater part of Russia. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards in an anticyclone over central Russia, 30·1 ins. and upwards in another large system extending from the Atlantic over the west and north of our Islands and the west of Norway. Lowest, 29·5 ins. and less in a well-marked depression with its centre over central France. Atlantic high pressure system continuing to spread eastwards and southwards during day. Depression over France moving slowly eastwards.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟿ = a heavy gale; → = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

The general distribution of pressure over Europe was very similar to that noticed in the preceding week. During the greater part of the time two anticyclones were observed—one, the most important, over Russia, the other, less clearly marked, over or to the westward of the Spanish Peninsula. In our Islands the weather was influenced by depressions, the centres of which skirted our extreme north-western and northern coasts, and by secondary systems which passed directly across the Kingdom. The winds consequently varied between South-West and North-West, and the weather was very unsettled, with frequent rain, the latter being often heavy in the west and north. Over southern Europe the weather was almost as disturbed, owing to the presence of shallow depressions over Italy and the Mediterranean.

During the last two days the western countries were influenced by a well-marked and rather deep depression, the centre of which advanced south-eastwards across Ireland on the night of the 15th, and afterwards passed across the south-west of England, the Channel and France. The disturbance occasioned a complete cyclonic circulation of wind over the whole of western Europe, with gales on nearly all our coasts, and with general falls of rain. At the close of the week the depression was dispersing, and a large anticyclone was spreading over the west and north of our Islands from the Atlantic. Cold Northerly and North-Easterly winds were therefore setting in very generally, with a continuance of stormy weather on the east coasts of England.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 272.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	14·3	?	27	?	BRIGHTON	16·3	− 0·3	26	0
STRATHPEFFER SPA	15·6	+ 4·4	28	+ 9	WORTHING	15·9	?	26	?
EDINBURGH	12·5	− 0·5	22	0	BOGNOR	16·8*	?	27*	?
MORPETH	14·1	?	24	?	WATERGATE (Emsworth)	16·1	?	26	?
NEWCASTLE-ON-TYNE	10·6	?	18	?	WESTBOURNE (Emsworth)	14·4*	+ 0·6	23*	0
OSWALDKIRK (Yorkshire)	14·4	+ 2·9	24	+ 4	VENTNOR HOSPITAL	16·4	?	26	
YORK					SOUTHPORT	16·4	?	28	?
LOWESTOFT	26.8		44	?	RHYL	15·0*	?	25*	?
HOLLESLEY BAY	21·3	?	35	?	COLWYN BAY	8·8	?	15	?
SHEFFIELD	12·3	?	22	?	ABERDOVEY	15·6*	?	26*	?
WORKSOP	11·6	0·0	19	0	TENBY	22·7	+ 7·6	37	+ 13
THURCASTON (Leicestershire)	7·5	− 5·5	13	− 8	NEWQUAY	16·5	− 1·5	27	− 2
MARGATE	15·7	+ 0·6	25	+ 1	TORQUAY	23·4	+ 8·2	38	+14
EASTBOURNE	14·8	− 0·2	24	0	GUERNSEY	9·1*	− 5·9	14*	− 9

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 47.] *Third Series*

WEEK ENDING SATURDAY, NOVEMBER 24TH, 1900.

[*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 278.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	51	23	44·6	33·3	38·9	2 below	7	− 9	32	+15	2070	+140	738	+ 27
	1. SCOTLAND, EAST	48	24	42·5	33·1	37·9	2 below	1	−16	32	+11	2226	− 91	809	+ 53
	2. ENGLAND, N.E.	50	29	45·6	38·1	41·9	0 (average)	10	−12	17	+ 2	2647	+128	555	− 52
	3. ENGLAND, EAST	50	28	46·2	38·0	42·1	0 (average	18	− 7	11	− 6	3150	+237	563	−123
	4. MIDLAND COUNTIES	50	29	44.2	35·4	39·8	2 below	6	−18	25	+ 6	2949	+ 66	619	− 87
	5. ENGLAND, SOUTH	52	28	46·7	38·0	42·3	1 below	19	−14	11	+ 2	3330*	+149	405	−114
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	23	43·6	33·5	38·6	3 below	4	−18	31	+18	2486	+ 33	559	+ 32
	7. ENGLAND, N.W.	52	24	45·1	35·7	40·5	2 below	9	−16	25	+15	2779	+ 89	482	− 20
	8. ENGLAND, S.W.	54	26	46·5	35·4	41·0	3 below	13	−24	27	+21	3124	+124	365	− 21
	9. IRELAND, NORTH	51	23	43·9	32·1	38·0	5 below	5	−17	36	+23	2617	+ 33	472	+ 25
	10. IRELAND, SOUTH	55	25	46·2	33·2	39·7	5 below	12	−21	34	+25	3038	+ 91	411	+ 69
	—CHANNEL ISLANDS	56	37	50·8	42·0	46·4	2 below	31	−22	0	− 1	3898	+430	97	− 53

Rainfall.

	DISTRICTS. (See p. 278.)	For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	3	2	11 less	229	+11	45·9	+ 2·0
	1. SCOTLAND, EAST	4	7	0 (average)	195	+16	31·9	+ 3·3
	2. ENGLAND, N.E.	5	5	1 less	168	0	27·6	+ 3·9
	3. ENGLAND, EAST	6	5	1 less	167	+ 3	22·4	− 0·9
	4. MIDLAND COUNTIES	3	4	2 less	161	0	25·6	− 0·1
	5. ENGLAND, SOUTH	3	5	2 less	149	− 7	23·6*	− 2·5
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	2	5	9 less	208	+22	51·8	+ 5·4
	7. ENGLAND, N.W.	1	4	4 less	178	+ 3	34·1	+ 2·6
	8. ENGLAND, S.W.	3	8	2 less	184	+ 7	37·9	+ 1·3
	9. IRELAND, NORTH	3	7	1 less	214	+11	35·9	+ 3·8
	10. IRELAND, SOUTH	4	13	4 more	189	+ 5	40·2	+ 5·5
	— CHANNEL ISLANDS	5	10	0 (average)	190	+ 2	22·4	− 1·3

Bright Sunshine.

	DISTRICTS. (See p. 278.)	For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	12	+ 6	23	+12	1072	+ 39	26	+ 1
	1. SCOTLAND, EAST	6	− 4	11	− 8	1129	−109	27	− 3
	2. ENGLAND, N.E.	3	− 7	6	−13	1173	− 59	28	− 2
	3. ENGLAND, EAST	10	− 3	18	− 5	1630	+ 76	38	+ 2
	4. MIDLAND COUNTIES	10	0	17	0	1359	+ 81	34	+ 2
	5. ENGLAND, SOUTH	8	− 6	13	− 9	1688	+119	40	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	13	+ 3	23	+ 4	1275	− 31	31	0
	7. ENGLAND, N.W.	16	+ 6	28	+11	1458	+115	34	+ 3
	8. ENGLAND, S.W.	21	+ 7	36	+13	1694	+101	41	+ 2
	9. IRELAND, NORTH	12	− 2	22	− 2	1284	+ 64	31	+ 2
	10. IRELAND, SOUTH	12	− 3	21	− 4	1413	+ 27	34	+ 1
	— CHANNEL ISLANDS	11	−12	18	−19	1880	+103	47	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period, although very cloudy and dull, was fairer over the Kingdom generally than for some time past. This was especially the case over the north-west of Great Britain, where the rainfall was very slight.

Temperature was below the mean in most districts, but just equal to it in England E. and N.E. In Ireland the deficit was as much as 5°. The highest of the maxima were recorded, as a rule, towards the end of the period, and ranged from 56° in the Channel Islands and 55° in Ireland S. to 48° in Scotland E. The lowest of the minima occurred during the early days of the week in the north, but a few days later at the more southern stations. They ranged from 23° in Scotland N. and W. and Ireland N. to 29° in the Midland Counties and England N.E., and to 37° in the Channel Islands. The changes were frequent.

Rainfall was more than the mean in Ireland S. and just equal to it in the Channel Islands and Scotland E.; in all other districts there was a deficit.

Bright Sunshine was deficient in most parts of the Kingdom, but exceeded the mean for the time of year in England S.W. and N.W., and also in Scotland W. and N. The percentage of the possible duration ranged from 36 in England S.W. to 13 in England S., 11 in Scotland E., and to 6 in England N.E.

Barometer and Wind. During the earlier part of the week a band of high pressure proceeding from an anticyclone over Scandinavia stretched south-westwards over the greater portion of the United Kingdom, and as the barometer was relatively low both over France and to the northward of Scotland, North-Easterly breezes were prevalent at the southern stations and South-Westerly winds in the north. These conditions continued for a time, but on Wednesday a depression was formed over Germany, and travelled north-westwards to our east and north-east coasts; another system from the Atlantic appeared over our south-western regions, and the winds consequently became very variable over our Islands, both in direction and force, but were mainly from some Northerly point. By the end of the week the depression in the east had dispersed, but another disturbance approaching Ireland, and the presence of a secondary over the English Channel kept the weather in a very unsettled condition. Ultimately the wind shifted to the Southward or South-Westward very generally.

* This value has been altered owing to the receipt of information for a preceding week.

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II.—DATA from which the SUMMARY on page 277 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	48	35	46·1	39·3	42·7	+ 1·2	16	8	3	0·15	- 0·83	*	*	*	*
	Stornoway	51	29	47.6	34·0	40·8	- 0·4	16	32	2	0·12	- 1·02	12·3	+ 3·5	24	+ 7
	Wick	47	29	46·4	36·6	41·5	+ 0·8	12	22	4	0·32	- 0·33	*	*	*	*
	Lairg $	49	23	44·2	29·1	36·7	- 2·5	6	47	4	0·13	- 0·67	*	*	*	*
	Glencarron $	46	27	41·9	32·1	37·0	- 2·2	0	35	3	0.19	- 2·08	*	*	*	*
	Fort Augustus $	46	26	43·2	30·6	36·9	- 3·9	3	41	4	0·25	- 0·83	13·1	+10·1	25	+19
	Fort William $	48	27	42·5	31·5	37·0	- 4·8	1	37	3	0·07	- 1·88	12·0	+ 6·5	23	+13
1. SCOTLAND, E.	Nairn	46	25	44·0	30·0	37·0	- 2.8	6	43	2	0·52	0·00	*	*	*	*
	Aberdeen	47	33	44·6	36·9	40·8	0·0	7	20	5	1·49	+ 0·71	7·0	- 5·0	13	- 9
	Braemar $	44	25	39·4	30·9	35·2	- 1·8	0	48	3	0·67	- 0·13	10·0†	+ 3·8†	19†	+ 7 †
	Ochtertyre $	48	24	41·3	33·0	37·2	- 2·7	0	34	5	0·24	- 0·77	*	*	*	*
	Leith	46	28	42·9	34·6	38·8	- 3.2	3	27	3	0·82	+ 0·32	*	*	*	*
	Marchmont $	45	29	42·9	33·4	38·2	- 1.3	3	31	6	0·64	- 0·21	6·0	- 5·8	11	-11
2. ENGLAND, N.E.	Alnwick Castle	46	30	44·6	37.3	41·0	0·0	7	19	5	0·81	+ 0·03	*	*	*	*
	Durham	45	29	42·8	37·0	39·9	- 0·6	2	18	4	0·35	- 0·27	0·8	-10·5	1	-20
	Shields	46	34	45.3	38·1	41·7	- 0·1	9	16	5	0·65	+ 0·09	*	*	*	*
	Scarborough M	50	38	47·9	40·4	44·2	+ 1·8	22	4	6	0·40	- 0·25	1·8		3	?
	Spurn Head	50	37	48·3	40.3	44·3	+ 1·5	23	5	5	0·56	+ 0·04	*	*	*	*
	Fulbeck (Lincolnshire)	48	30	44·6	35.5	40·1	- 0·7	7	25	6	0·44	?	*	*	*	*
3. ENGLAND, E.	Hillington M	47	31	45·5	37·3	41·4	+ 0·2	10	19	6	0·57	- 0·05	11.3	- 0·2	20	0
	Yarmouth	48	35	46·3	40·0	43·2	+ 0·8	17	6	6	0·58	- 0·09	*	*	*	*
	Geldeston	50	35	47·0	39·7	43·4	+ 0·9	19	6	5	0·48	- 0·12	13.0	- 0·7	22	- 2
	Cambridge	50	31	46·6	35·2	40·9	- 0·6	13	27	4	0·41	- 0·04	7·7	- 5·9	13	-10
	Felixstowe	49	36	46·3	40·4	43·4	+ 0·4	17	4	4	0·45	?	10·4†	?	18†	?
	Rothamsted	48	28	45·4	35·3	40·4	- 0·8	10	26	7	0·37	- 0·24	6·7	- 6·0	11	-11
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	45	29	43·3	36·3	39·8	- 1·6	4	21	4	0·33	- 0·13	*	*	*	*
	Loughborough	50	33	45·4	36·4	40·9	- 1·5	10	22	3	0·34	- 0·15	*	*	*	*
	Cheadle M	45	32	43·0	35·1	39·1	- 1·3	3	25	3	0·46	- 0·20	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	47	32	43·7	36·0	39 9	- 1·3	5	23	2	0·26	- 0·28	9·4	?	16	?
	Churchstoke M	47	31	42·7	34·1	38·4	- 2·6	2	28	3	0·34	- 0·44	9.9	- 0·8	17	- 1
	Hereford (Belmont) M	48	31	44·6	34·3	39·5	- 2·7	7	29	3	0·29	- 0·33	*	*	*	*
	Cirencester	46	29	44·4	34·7	39·6	- 1·4	7	28	2	0·52	- 0·18	14·7	+ 3·0	25	+ 5
	Oxford	48	32	46 1	36·0	41·1	- 1·0	11	24	3	0·37	- 0·21	12.4	+ 0·4	21	0
5. ENGLAND, S.	London	49	32	46·7	38·1	42·4	- 0·6	19	11	2	0·32	- 0·18	4·5†	- 3·3†	8†	- 5
	Swarraton (Alresford) M	50	28	45.2	35·2	40·2	- 2·3	9	26	2	0·25	?	*	*	*	*
	Dungeness	51	35	48·3	41·7	45·0	+ 0·8	1	22	4	1·08	+ 0·32	*	*	*	*
	Hastings (St. Leonards)	49	36	46·5	40·3	43·4	- 0·6	17	5	4	0.67	- 0·07	5·3	- 9·2	19	-15
	Southampton	50	31	47·8	37·0	42·4	- 1.4	24	14	3	0·38	- 0·32	11·8	- 1·2	20	- 1
	Portland Bill	52	35	47·9	37·9	42·9	- 2·9	24	11	2	0·55	?	*	*	*	*
	Shaftesbury M	49	34	44·7	35·5	40·1	- 0·9	8	25	4	0·52	- 0·32	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	46	30	43·9	35·3	39·6	- 2·6	5	25	1	0·13	- 1·97	*	*	*	*
	Glasgow	45	27	42·0	35·2	38·6	- 1·6	0	24	3	0·36	- 0 53	5.5	- 1·1	10	- 2
	Glenlee $	48	23	42·5	29·0	35·8	- 4·4	1	46	1	0·45	- 1·05	*	*	*	*
	Douglas (Isle of Man)	50	28	46·1	34·6	40·4	- 3·6	11	29	1	1·06	+ 0·01	19·8	+ 6·0	35	+10
7. ENGLAND, N.W.	Newton Reigny	48	24	43·1	30·9	37·0	- 1·8	3	38	2	0·15	?	13·4	?	24	?
	Stonyhurst	52	32	44·4	36·4	40·4	- 1·4	7	21	1	0·32	- 0·69	10·3	+ 0·8	18	+ 2
	Blackpool M	49	30	46·2	35·0	40·6	- 1·9	12	27	2	0·33	- 0·43	18·3	+ 9·3	33	+17
	Manchester (Prestwich)	47	32	44·3	35·2	39·8	- 2·0	6	26	1	0·35	- 0·45	8·5	?	15	?
	Liverpool Obsy. (Bidston)	48	35	44·9	37.6	41·3	- 1·7	8	18	2	0·38	- 0.27	17·2	?	30	?
	Llandudno M	50	32	47·0	37·9	42·5	- 2·5	21	11	1	0·75	- 0·01	18·1	+ 7·9	32	+14
	Holyhead	50	34	46·1	37·0	41·6	- 4.4	11	21	1	0·48	- 0·40	*	*	*	*
8. ENGLAND, S.W.	Llandovery	49	26	45·7	30·4	38·1	- 4·1	10	44	2	0·35	- 0·82	*	*	*	*
	Pembroke	53	35	47·3	39·0	43·2	- 3·2	21	8	4	0·88	- 0·07	17·7	+ 4·7	31	+ 9
	Clifton	50	34	45·6	37·3	41·5	- 0·8	10	19	1	0·69	- 0·10	*	*	*	*
	Arlington (N. Devon)	50	32	45·7	34·3	40·0	- 3·0	10	30	3	0·69	- 0·71	*	*	*	*
	Cullompton M	52	27	46·5	33·6	40·1	- 3·2	13	33	2	0·61	- 0·19	14·0	+ 3·0	24	+ 6
	Falmouth	54	33	47·1	38·0	42·6	- 4·7	21	11	3	1·51	+ 0·28	31·5	+16·0	53	+28
	Plymouth	53	31	47·8	35·4	41·6	- 4·4	16	27	3	1·15	+ 0·25	23·7	+10·7	40	+19
9. IRELAND, N.	Malin Head	48	33	44·9	35·6	40·3	- 3·5	8	25	2	0·60	?	*	*	*	*
	Londonderry	50	26	42·1	29·7	35·9	- 6·6	0	43	1	0·44	- 0·52	*	*	*	*
	Edenfel (Omagh)	47	23	40·4	27·6	34·0	- 6·3	0	56	1	0·63	- 0·17	*	*	*	*
	Blacksod Point	51	31	46·9	36.3	41·6	- 3·1	14	23	5	0·46	?	*	*	*	*
	Markree Castle	48	24	43·9	29·5	36·7	- 5·3	5	45	4	0·91	+ 0·01	12·2	- 0·5	22	0
	Armagh	48	26	42·6	29·1	35·9	- 5·6	2	46	4	0·96	+ 0·33	12·4	- 1·0	22	- 2
	Donaghadee	49	28	46·3	36·6	41.5	- 2·2	12	22	4	1·13	+ 0·48	*	*	*	*
10. IRELAND, S.	Dublin	51	32	45·1	35·2	40·2	- 4·1	9	26	2	0·34	- 0·16	12·7	- 3·3	22	- 6
	Parsonstown	50	25	45·0	28·6	36·8	- 5·4	8	49	3	0·63	- 0·10	13·1	- 1·4	23	- 1
	Kilkenny	51	27	44·9	29·4	37·2	- 6·7	8	46	3	0·98	+ 0·36	*	*	*	*
	Roche's Point	52	35	47·9	38·7	43·3	- 2·7	23	9	4	1·30	+ 0·16	*	*	*	*
	Valencia	55	31	48·6	35·7	42·2	- 4·8	28	18	5	2·26	+ 0·99	11·3	- 2·4	19	- 5
	Killarney	52	25	47·2	30·6	38·9	- 5·9	15	44	4	2·01	?	*	*	*	*
	Foynes	52	29	45·0	34·3	39.7	- 4·6	8	29	4	1·25	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	38	51·7	42·6	47·2	- 1·8	36	0	3	0·83	- 0·10	27·7	?	46	?
	Jersey	53	37	49·9	41·3	45·6	- 1·9	28	2	6	1·08	+ 0·14	3·0	-12·5	5	-20

Stations marked M are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society.

* An Asterisk is inserted in all places for which the information is not usually received.

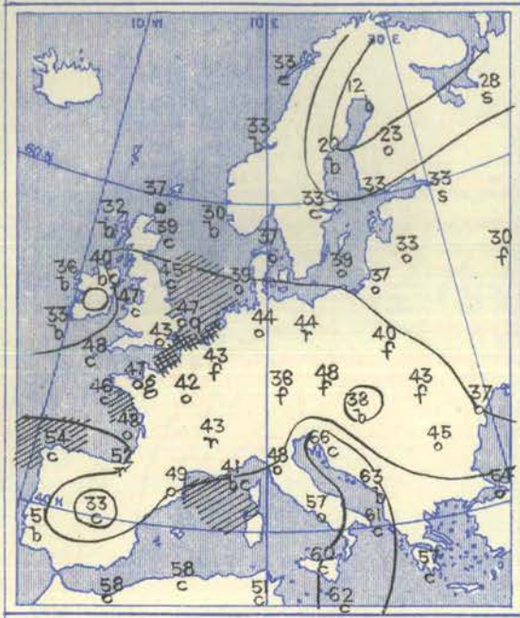
† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 18th November.

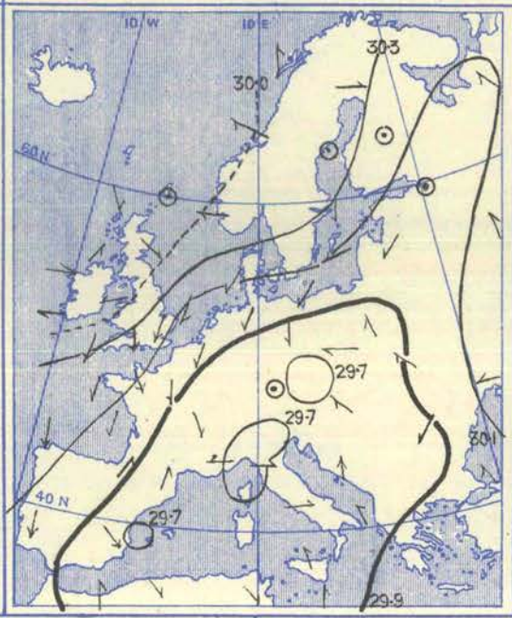
Temperature and Weather.

8 a.m.

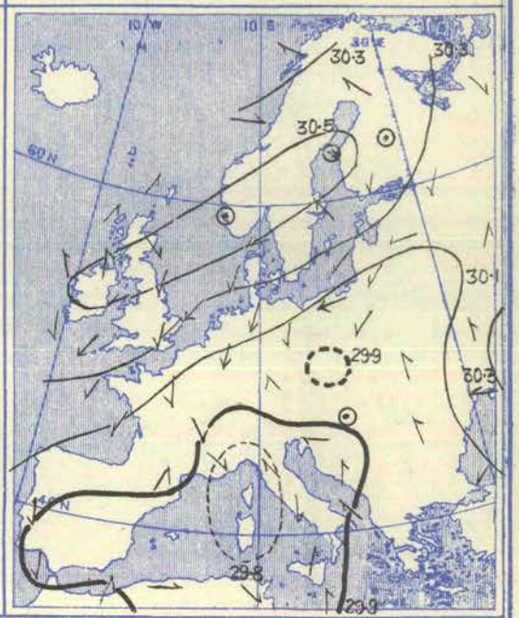


Barometer and Wind.

8 a.m.



6 p.m



Weather in morning fine, and in most localities bright over Norway and the northern and western parts of the British Islands; dull in the east and south-east as well as over France and Germany, with rain in several places. Rain later over many parts of the Continent—heavy in Italy and some parts of Germany, and affecting also some of our south-eastern stations; remaining fine in the west and north.

Temperature falling decidedly in the north and west, changing little and irregularly elsewhere. Morning readings highest, 66° at Trieste, 63° at Lesina and Malta, 61° at Brindisi, 60° at Palermo, 56° to 58° on the Algerian coast, 48° to 46° on the western and north-western coasts of France, and 48° at Scilly. Lowest, 12° Fahr. at Uleaborg, 20° at Hernösand, 21° at Kharkov, and below the freezing point over Russia generally, 30° to 32° in the north of Scotland, 39° at Aberdeen. Touching 50° later at our extreme southern station only, rising to between 50° and 54° on the coasts of Brittany, and in the south of France,

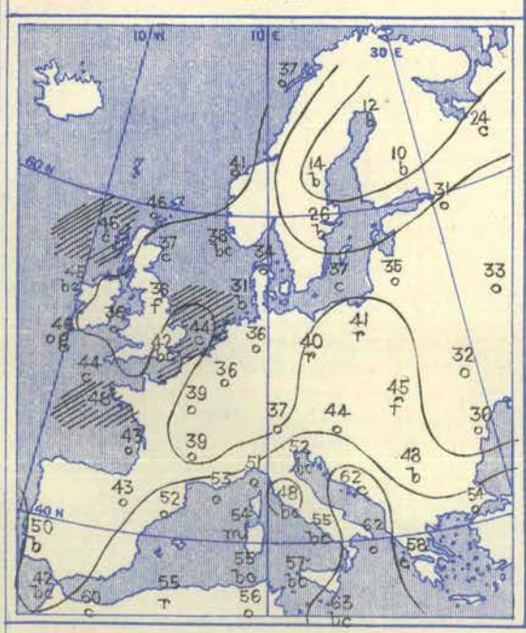
Wind very light and variable over Ireland and Scotland, South-Easterly on the Norwegian coast, North-Easterly at our southern stations and over the southern parts of the North Sea, and blowing a gale in the latter region. More Northerly over the west and north of France, variable over the eastern departments and South-Easterly in Germany. Continuing to blow hard over the Netherlands and south-east of England all day; a South-Westerly to Westerly breeze showing itself in the Hebrides, Shetlands, and west of Norway later.

Barometer highest, 30·4 ins. and more over Ireland, Scotland, and off the West of Scandinavia, and exceeding 30 ins. all over the northern and north-western countries. Lowest, 29·7 ins. and less to 29·8 ins. over south-western, southern, and central Europe, and rising generally. Beginning to fall later in the Hebrides and Shetlands, and the fall spreading and increasing.

Monday, 19th November.

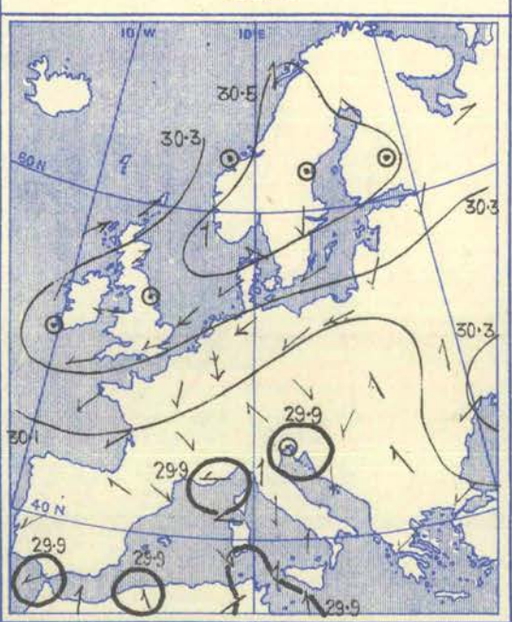
Temperature and Weather.

8 a.m.

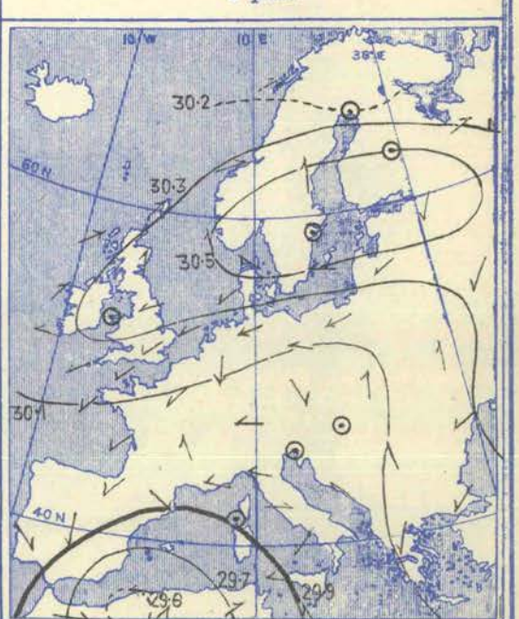


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the major part of northern Europe, on our own north and north-west coasts, and in several parts of England; dull, gloomy and hazy elsewhere, rainy in several parts of Germany and Hungary. Some rain later over various parts of Germany, Austria and France, and 0·2 ins. at Bodö, sleet showers at Jersey, but weather remaining fine over northern Europe.

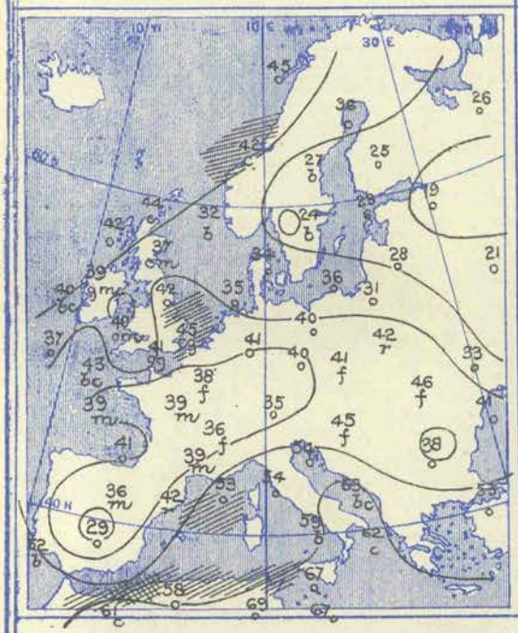
Temperature risen fast on the shores of Ireland and Scotland, fallen over England, France and the countries lying to the eastward of the North Sea. Morning readings highest, 63° at Malta, 62° at Brindisi and Lesina, 50° and more at nearly all the Mediterranean stations, 50° at Lisbon, 44° at Scilly and Dungeness, 45° at Blacksod Point, 46° at Stornoway. Lowest, 10° at Kuopio, 14° at Hernösand, 24° at Archangel, 33° at Moscow, 36° to 39° over many parts of Central France and at Nairn, 31° at Leith, 25° at Penrith and Parsonstown.

Wind (1) North-Easterly to Northerly over the greater part of Europe—strong to a gale in force over North Germany, and strong in the Netherlands and on the east coast of England; but (2) Southerly over Ireland, Scotland and on the coast of Norway, and moderate in force, almost calm, in Lapland and Sweden. Blowing a moderate gale later on the coast of Norfolk, but moderating in Germany.

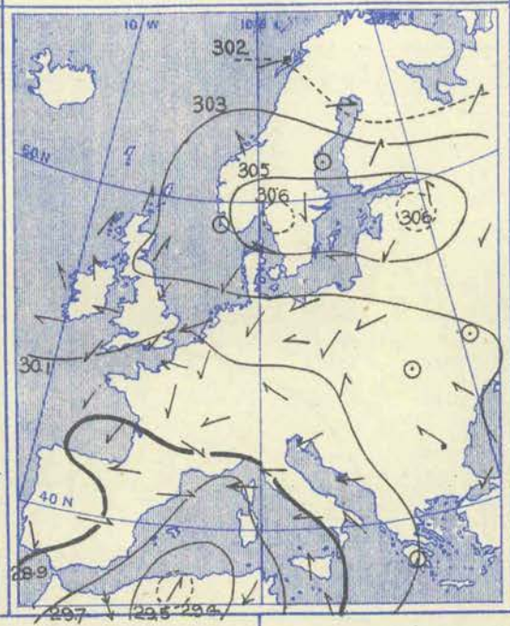
Barometer in morning highest, 30·5 ins. and more over the greater part of Scandinavia, and exceeding 30·3 ins. in a "ridge" extending thence in a south-westerly direction completely across our Islands. (2) 30·3 ins. and more over the south of Russia. Lowest, (1) 29·9 ins. and less to 30·0 ins. in a complex series of shallow depressions covering the Mediterranean, southern and central Europe. A deeper depression appearing later over Algeria (Barometer at Oran 29·52 ins. at 6 p.m.).

Tuesday, 20th November.

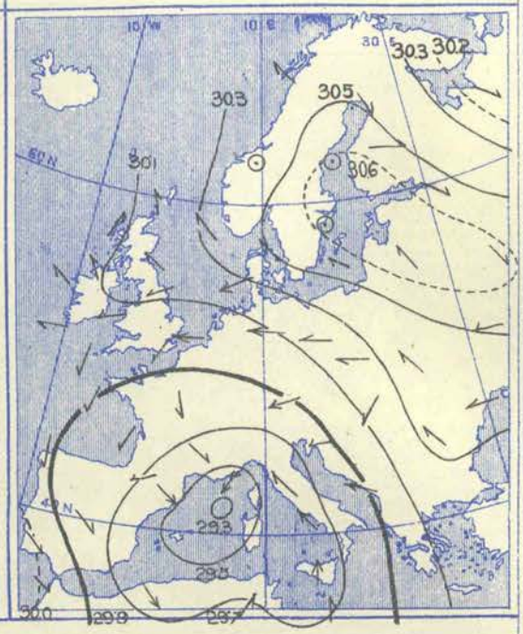
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair, but dull, over northern and the greater part of eastern Europe, very gloomy over the central countries and the British Isles, with fog on the Continent, haze at our stations and rain at Oxford. Unsettled at the western of the Mediterranean stations, rain in places. Very much rain later over the Mediterranean (more than an inch in several places), thunderstorms locally. Slight rainfall over England.

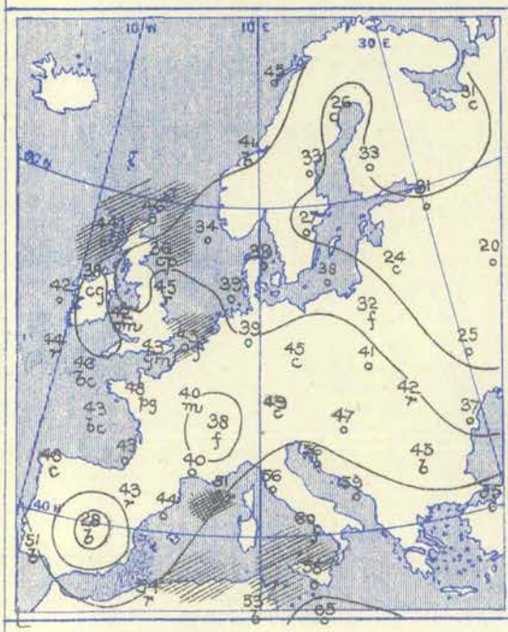
Temperature unsteady. Highest in morning, 67° at Malta and Palermo, 64° at Algiers, 62° at Brindisi, 57° to 59° on the northern shores of the Mediterranean, 47° to 49° over central Europe, 44° at Dungeness, 43° at Scilly. Lowest, 19° to 26° over the major part of Russia, 17° to 32° over the south of Norway, 32° at Nairn, 37° at Parsonstown, 38° at Liverpool and Loughborough. Rising later to between 45° and 49° in many parts of our Islands and France to 63° at Marseilles, 59° at Nice, 70° at La Calle, 68° at Naples.

Wind Easterly over the Baltic, North Sea, and North-Easterly over England, but South-Westerly or Southerly over the north of our Islands, Westerly in Lapland. A large cyclonic circulation over the Mediterranean, and blowing a gale from North-West at Oran. The central part of latter circulation moving northward later to the south of France.

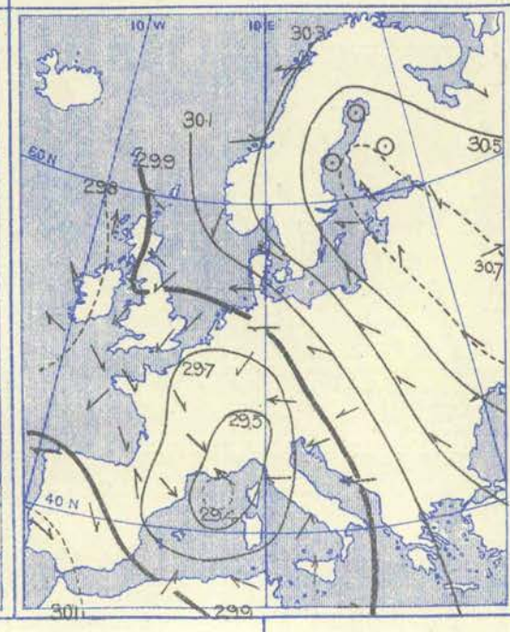
Barometer highest, 30·6 ins. to 30·3 ins. in a large anticyclone covering the whole of northern Europe and exceeding 30·2 ins. over the Black Sea and the south of Russia. Lowest, 29·35 ins. at Algiers, and between 29·4 and 29·7 ins. in a well-marked depression in those regions. Falling later all over north-western Europe, and the depression over Algeria travelling northward to near Marseilles.

Wednesday, 21st November.

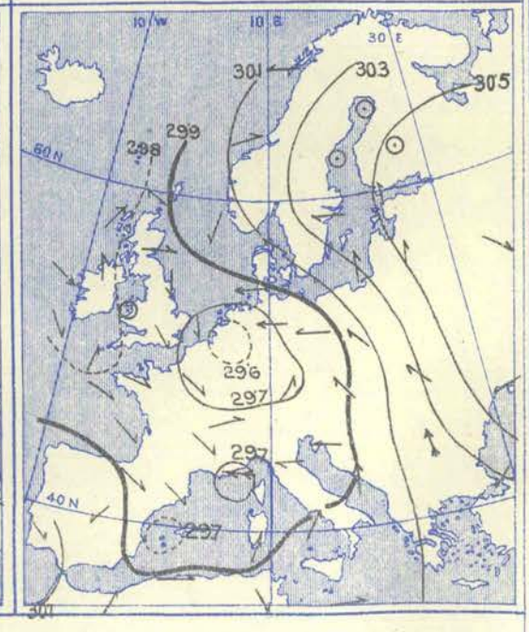
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over our Islands and on the Continent generally, with rain at Valencia, on our north-east coasts, and also at several of the southern European stations. Rain falling later over the greater part of our Islands, as well as over France, Austria, and at many of the Mediterranean stations, as much as 2·04 ins. being measured at Nice.

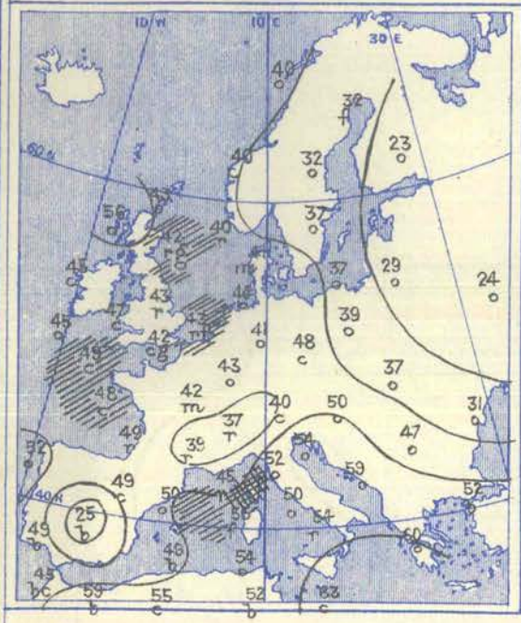
Temperature fallen somewhat over central Ireland, but risen over our Islands and at most of the Continental stations. Morning readings highest, 65° at Malta, 60° at Naples, 59° at Lesina, and above 50° at most of the southern European and Algerian stations. Lowest, 20° at Moscow, 22° at Kharkov, 24° at Memel, 26° at Haparanda and Uleaborg; apparently below the freezing point over Russia generally. Below 40° over the central parts of Ireland and Scotland. Rising during day to between 45° and 50° over our Islands, but reaching 54° at Scilly, exceeding 60° at most of the Mediterranean stations, and reaching 72° at La Calle, 66° at Naples, 64° at Sanguinaire and Cagliari, and 62° at Pesaro and Oran.

Wind light to moderate from the Eastward over our Islands and northern Europe generally but Southward on the western coasts of Ireland and Scotland. A cyclonic circulation prevailing over southern Europe, with fresh to strong winds at many of the Mediterranean stations. Subsequently rising to the North-Westward on our northern and western coasts, and moderate to fresh gales setting in at many of the southern European stations.

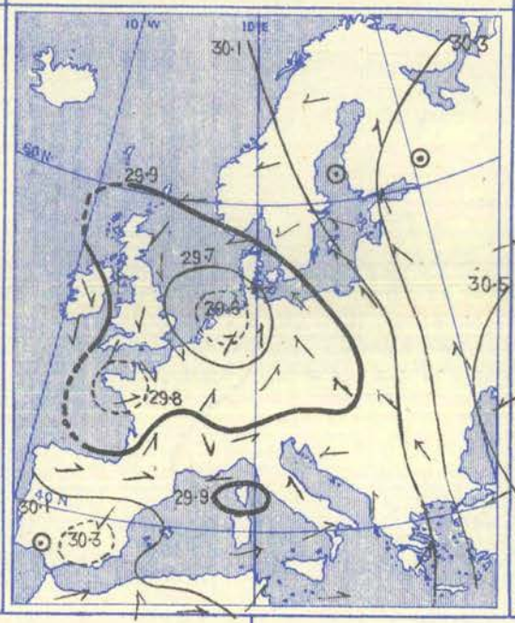
Barometer highest, 30·6 ins. and upwards in an anticyclone lying over western Russia, and 30·1 ins. and upwards over the south-western part of the Spanish Peninsula. Lowest, 29·4 ins. and less in a complex depression lying over the south of France, Switzerland, and southern Germany, the centre being over the Gulf of Genoa, and 29·3 ins. and less in a shallow system off our western coasts. Depression over southern Europe subsequently developing several minima, the most northern of these advancing in a north-westerly direction towards the Netherlands and the southern part of the North Sea.

Thursday, 22nd November.

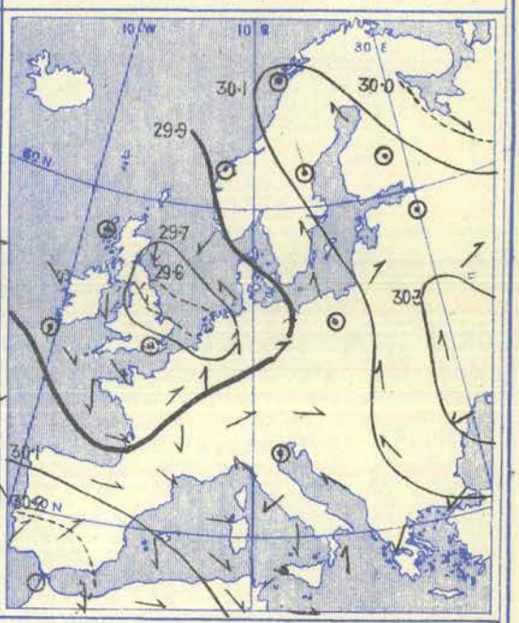
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still cloudy or dull over our Islands and the Continent generally, but fine on our own north-west coasts. Rain falling in the east of England, the south of Norway, and also at several of the southern European stations. Heavy rain later at many of the Scotch and Irish stations, as well as over the Gulf of Genoa, as much as 1·97 ins. being measured at Leghorn, and 1·18 ins. at Rome. A parhelion was observed at Oxford during the day.

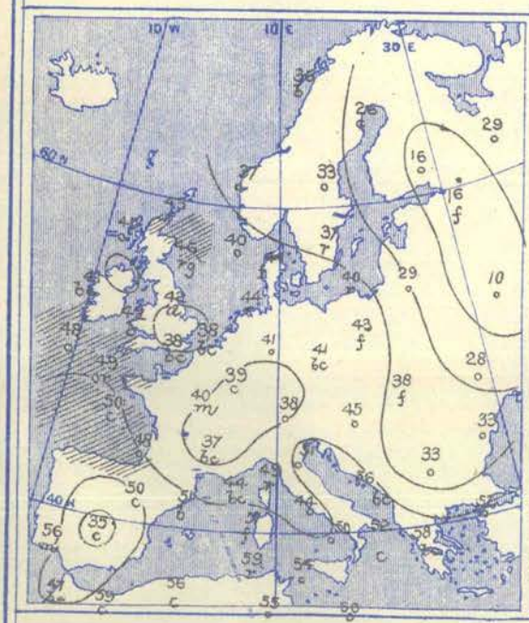
Temperature risen slightly over Ireland and France, but changed irregularly at the Continent stations. Morning readings highest, 63° at Malta, 60° at Patras, 59° at Lesina and Nemours, and 58° at Athens. Lowest, 21° at Nicolajeff, 23° at Kuopio and Hango, 24° at Moscow, and 25° at Madrid. Lowest in our Islands, 33° at Nairn, 37° at Parsonstown, and 39° at Newton Reigny. Rising later to 72° at Malta, 66° at Sanguinaire and Sfax, and exceeding 60° at the Mediterranean stations generally.

Wind mainly North or North-Westerly over the United Kingdom, light to moderate in force, Easterly over Scandinavia, South-Westerly in France, Southerly and South-Easterly over central Europe. A cyclonic circulation shown over the southern part of the North Sea, and also over the Mediterranean. Little change occurring later.

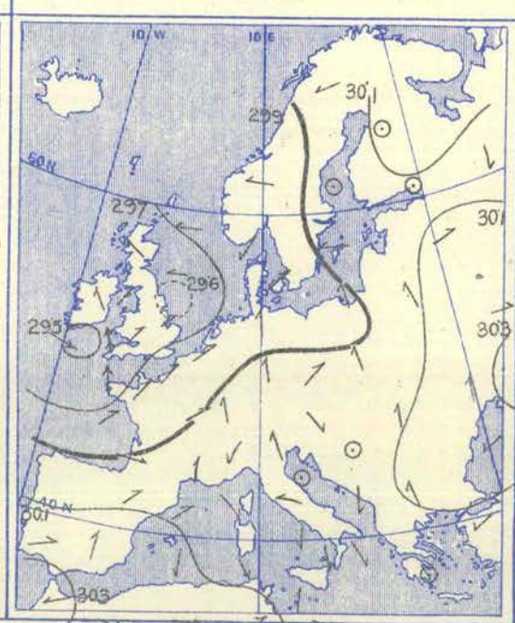
Barometer highest, 30·5 ins. and upwards over southern Russia, and 30·2 ins. and upwards over Portugal. Lowest, 29·6 ins. and less in a depression lying over the southern part of the North Sea, 29·8 ins. and less over the western part of the Channel, and 29·9 ins. and less in another system over the Gulf of Genoa. Depressions over the North Sea moving north-westwards, and other systems gradually dispersing.

Friday, 23rd November.

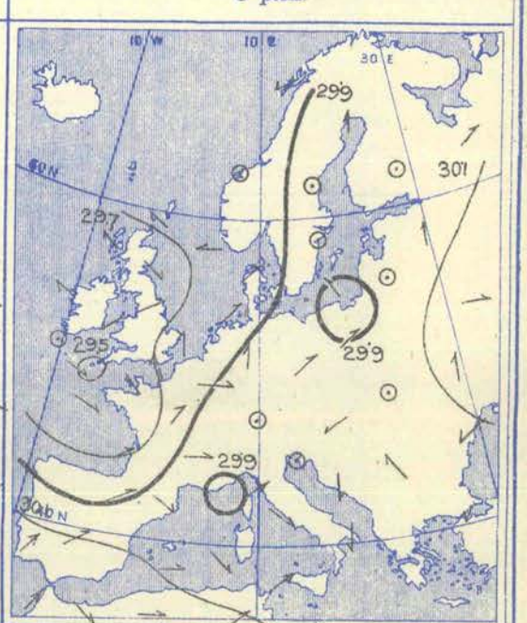
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dry, but dull, and in some places foggy over Russia and central Europe, and temporarily fine and bright in Holland and the east of England, and on our extreme north-west coasts, rainy and unsettled in Scotland and the south-west of our Islands. Some rain later at most of the British and Irish stations, and large quantities in the west of France: remaining fine in the south-east of England and fair over the greater part of Russia.

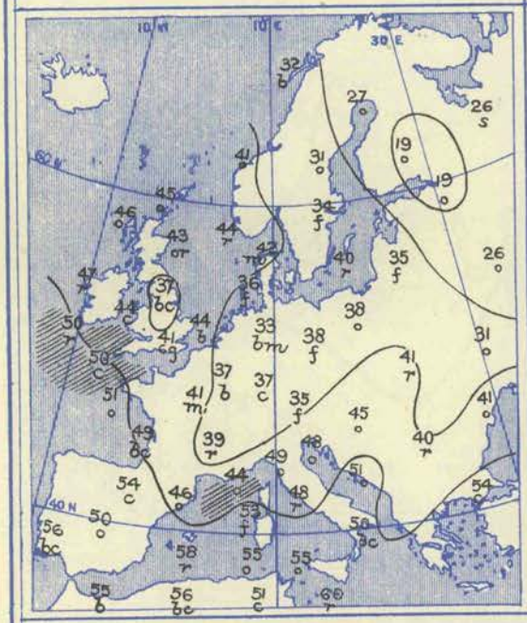
Temperature rising in the south of Ireland and south-west of England. Morning readings highest, 60° at Malta, 58° at Constantinople, 56° at Lesina and Algiers, 51° at Trieste, 50° at Biarritz, 49° at Scilly, 46° at Valencia, Roches Point and Pembroke, 45° at Wick. Lowest, (1) 10° at Moscow, 13° at Kharkov, and below 30° Fahr. almost all over Russia, 33° at Hernösand; (2) 31° at Le Mans and at Donaghadee, 36° at Oxford, 39° at Brussels. Rising later in our Islands to 50° and more at our extreme southern and south-western stations only, and to between 51° and 58° in the west and south of France; touching 61° at Lesina, 66° at Palmero.

Wind (1) light and very variable over eastern, central and southern Europe; (2) Southerly over Ireland and England, and blowing hard at Roches Point, Easterly, moderate to fresh, in Scotland, Westerly at Valencia. Becoming very variable at our western stations later, blowing strongly over the south-west of England, but falling light in Ireland. No material change over the inland parts of the Continent.

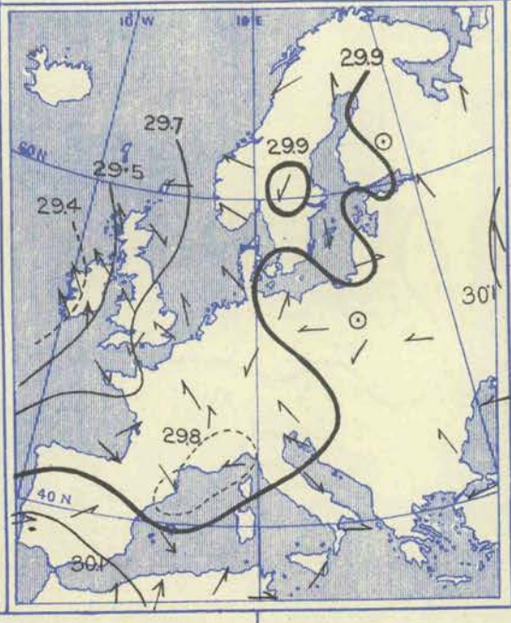
Barometer in morning highest, (1) 30·3 ins. and more to 30·9 ins. over Russia, and exceeding 30·9 ins. in a "ridge" over central Germany; (2) 30·3 ins. to 30·9 ins. in another high pressure area over the Spanish Peninsula, and about 30·6 ins. over the south of France. Lowest, 29·5 ins. and less in a small depression over the south of Ireland, and 29·6 ins. and less in another over Northumberland. The latter low pressure system moving northwards later and filling up, the former moving south-eastwards to Cornwall. Pressure giving way over Russia.

Saturday, 24th November.

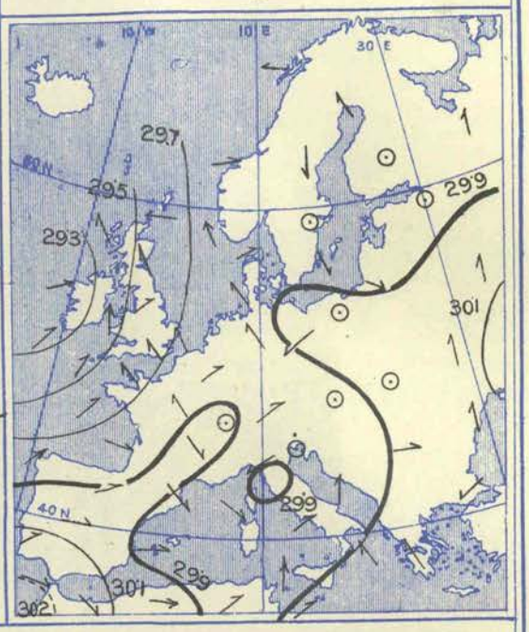
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning continuing dull but fair over Russia and central Europe, but foggy in places; fine over England; unsettled and rainy over Ireland, the southern parts of France, and the Mediterranean. Rain later over the United Kingdom generally, and over many parts of Europe—amounts considerable in France, fog or haze in places.

Temperature risen decidedly over Russia, fallen a little over central Europe, changing fitfully over the British Islands. Morning readings ranging from 60° at Malta, 56° to 50° over the southern parts of the Mediterranean, and 50° at Scilly and Valencia to 36° over central England and at Fanö, 34° at Stockholm, 26° at Moscow, and 19° at St. Petersburg and Kuopio. Rising later to between 56° and 50° in the west and south of our Islands and France, to 61° at Lisbon and Palma, 66° at Malta, and 70° at the Azores.

Wind variable in direction, but mostly very light in force at the Continental stations; Southerly and South-Easterly in the British Islands, and blowing very strongly in Ireland. Freshening later from South-East or South all over England and Scotland, but falling light and variable in Ireland.

Barometer highest, (1) 30·1 ins. and more to 30·0 ins. all over Russia, and exceeding 29·8 ins. all over the Continent; (2) 30·0 ins. and more over Algeria, 30·16 ins. at Lisbon, 30·21 ins. at Ponta Delgada. Lowest, 29·4 ins. and less in the west of Ireland, and below 29·8 ins. in the south of France. Falling later very generally, but irregularly—most in the western parts of England and Wales.

GENERAL NOTES.

At the commencement of this week the barometer was highest (30·4 inches and more) over the western and northern parts of our Islands and very little lower over Scandinavia, while it was lowest (29·8 ins. and less) over central and southern Europe and the Mediterranean, and separate minima of 29·7 ins. and less were found over the south-west of Germany, the south of France and the east of Spain (near Alicante). Variable winds prevailed in the latter regions and had little strength, but Northerly to North-Easterly winds were blowing over north-western Europe and the British Isles, and in north Germany, the Netherlands and the east of England they were strong in force. Fine weather prevailed over our Islands. During the next few days the barometer fell in the far west and north, and though a "ridge" of high pressure, spreading in a south-westerly direction from the anticyclone over northern Europe, still continued, depressions began to appear over Algeria and the Mediterranean, causing much bad weather in France, and ultimately spreading Northwards over western Germany. One of these reached Marseilles on Tuesday night, and without moving much itself developed a complex secondary over Germany, which ultimately moved north-north-westwards over the North Sea and filled up near Aberdeen.

In the meantime other small systems came over our western and south-western stations from the Atlantic. One was found over the mouth of the English Channel at 8 a.m. on Thursday (22nd), another over the south of Ireland on the Friday (23rd), but both of these filled up as they moved south-eastwards to Brittany and France.

At the close of the week a new system was approaching Ireland, and South-Easterly winds had become prevalent in the west. The Russian anticyclone had meanwhile moved south-eastwards.

The weather over the British Islands has consequently been very changeable, and the rainfall has mainly centred round positions (1) off the north-east of Great Britain and (2) over the extreme south-west of the British Isles.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 278.

Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	Stations.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	7·4	?	15	?	BRIGHTON	6·0	- 7.5	10	- 13
STRATHPEFFER SPA	14.1	+ 5·3	28	+ 11	WORTHING	10·6	?	18	?
EDINBURGH	1·0	- 9·6	2	- 18	BOGNOR	9·7*	?	16*	?
MORPETH	7·8	?	14	?	WATERGATE (Emsworth)	10·3	?	17	?
NEWCASTLE-ON-TYNE	0·8	?	1	?	WESTBOURNE (Emsworth)	13·4*	+ 1·4	23*	+ 3
OSWALDKIRK (Yorkshire)	5·1	- 5·4	9	- 10	VENTNOR HOSPITAL		?		?
YORK					SOUTHPORT	15·0	?	27	?
LOWESTOFT	12·0	?	21	?	RHYL	19·1*	?	34*	?
HOLLESLEY BAY	10·5	?	18	?	COLWYN BAY	17·1	?	30	?
SHEFFIELD	9·0	?	16	?	ABERDOVEY	18·7*	?	33*	?
WORKSOP	7·0	- 3·0	12	- 6	TENBY	16·7	+ 3·7	29	+ 7
THURCASTON (Leicestershire)	8·4	- 2·6	15	- 4	NEWQUAY				
MARGATE	4·1	- 9·6	7	- 15	TORQUAY	21·6	+ 8·1	36	+13
EASTBOURNE	5·5	- 7·5	9	- 14	GUERNSEY	1·8*	- 11·1	3*	- 17

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

Date of Report	Name of Stations.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Sept. 8th, 1900	Lairg	° 66	° 36	° 61·4	° 47·1	° 53·9	° + 0·5	83	0	5	0·70	+0·10	—	—	—	—
,, ,, 15th, ,,	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	41·5	+14·3	47	+ 17
,, ,, ,,	Bognor												64·6	?	70	?
,, ,, 22nd, ,,	Alnwick Castle	67	39	65·5	45·9	55·2	+ 3·1	92	0	2	0·09	-0·59	—	—	—	—
,, ,, 29th, ,,	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	21·9	- 4·1	27	- 4

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & Co., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 48.] *Third Series.* WEEK ENDING SATURDAY, DECEMBER 1ST, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 284.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	49	24	45·7	37·4	41·6	2 above	10	− 3	19	+ 1	2080	+137	757	+ 28
	1. SCOTLAND, EAST	50	25	44·8	36·5	40·7	2 above	8	− 6	22	− 1	2234	− 97	831	+ 52
	2. ENGLAND, N.E.	51	29	47·3	40·0	43·7	3 above	20	+ 2	6	−11	2667	+130	561	− 63
	3. ENGLAND, EAST	53	33	47·5	40·5	44·0	3 above	20	0	4	−16	3170	+237	567	−139
	4. MIDLAND COUNTIES	54	30	47·1	38·9	43·0	3 above	20	0	9	−12	2969	+ 66	628	− 99
	5. ENGLAND, SOUTH	55	34	49·3	41·3	45·3	3 above	26	− 3	2	− 8	3356	+146	407	−122
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	50	32	46·8	40·4	43·6	3 above	18	− 1	4	−11	2504	+ 32	563	+ 21
	7. ENGLAND, N.W.	51	32	47·0	40·8	43·9	2 above	18	− 3	3	− 9	2797	+ 86	485	− 29
	8. ENGLAND, S.W.	54	31	49·2	39·1	44·2	1 above	28	− 4	8	+ 1	3152	+120	373	− 20
	9. IRELAND, NORTH	53	29	47·5	39·2	43·4	2 above	22	+ 3	8	− 6	2639	+ 86	480	+ 19
	10. IRELAND, SOUTH	53	29	48·9	37·9	43·4	1 below	27	− 2	11	+ 1	3065	+ 89	422	+ 70
	—CHANNEL ISLANDS	56	36	53·2	44·3	48·8	2 above	48	+ 1	0	− 2	3946	+431	97	− 55

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 284.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	4	6	7 less	233	+10	46·5	+ 1·3	5	0	10	0	1077	+ 40	25	0
	1. SCOTLAND, EAST	6	10	2 more	201	+18	32·9	+ 3·6	5	− 4	11	− 6	1134	−112	27	− 3
	2. ENGLAND, N.E.	6	7	1 ,,	174	+ 1	28·3	+ 3·9	6	− 3	10	− 6	1179	− 62	28	− 2
	3. ENGLAND, EAST	5	3	3 less	172	+ 3	22·7	− 1·2	8	− 2	14	− 4	1638	+ 74	37	+ 1
	4. MIDLAND COUNTIES	5	6	0 (average)	166	+ 1	26·2	− 0·1	10	0	18	0	1369	+ 82	34	+ 2
	5. ENGLAND, SOUTH	5	7	0 (average)	154	− 6	24·3	− 2·5	13	+ 1	22	0	1702*	+120	40	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	4	9	5 less	212	+21	52·7	+ 4·9	8	0	15	0	1283	− 31	30	− 1
	7. ENGLAND, N.W.	4	7	1 less	182	+ 3	34·8	+ 2·5	8	0	15	0	1466	+116	34	+ 3
	8. ENGLAND, S.W.	5	11	1 more	189	+ 7	39·0	+ 1·4	14	+ 2	24	+ 3	1709*	+104	41	+ 3
	9. IRELAND, NORTH	4	10	2 ,,	218	+10	36·9	+ 4·0	6	− 6	11	−11	1290	+ 58	31	+ 2
	10. IRELAND, SOUTH	5	19	10 ,,	194	+ 6	42·1	+ 6·5	12	− 1	21	− 3	1425	+ 26	34	+ 1
	— CHANNEL ISLANDS	5	11	1 ,,	195	+ 2	29·5	− 1·2	17	+ 5	30	+ 9	1897	+109	47	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was very dull and unsettled generally, with humid air and frequent rain in all parts of the Kingdom.

Temperature was above the mean in almost all districts, the excess varying from 1° in England S.W. to 2° or 3° elsewhere. In Ireland S., however, the weekly value was slightly below the normal. The highest of the maxima were recorded during the earlier days of the period, and ranged from 56° in the Channel Islands and 55° in England S. to 49° in Scotland N. The lowest of the minima were registered, as a rule, on November 28th, when the thermometer fell to between 24° and 32° in Scotland, to 29° in Ireland, and to between 29° and 34° over England. In the Channel Islands the lowest reading was 36°. The diurnal range, with few exceptions, was very slight.

Rainfall was less than the mean in Scotland N. and W., and England E. and N.W., and just equal to it in the Midland Counties and England S. In England N.E., Scotland E., England S.W., the Channel Islands and Ireland N., however, there was a slight excess, while in Ireland S. the excess was very large.

Bright Sunshine did not differ much from the mean value over the Kingdom as a whole; the percentage of the possible duration ranged from 30 in the Channel Islands and 25 in England S.W., to 11 in Scotland E. and Ireland N., and to 10 in Scotland N. and England N.E.

Barometer and Wind. During the earlier part of the week depressions approached our coasts from the Atlantic and travelled over both the southern and northern districts, and as the barometer was highest to the eastward of the North Sea, the wind varied from between S. and W. and at times blew very strongly. Towards the end of the period the depressions were mostly confined to our southern and south-western coasts, and the barometer becoming highest over Norway and Sweden, Easterly and South-Easterly winds set in over the United Kingdom. These were of moderate strength generally, but occasionally blew freshly or strongly in the South and South-West, and also on the east coast of Great Britain.

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* This value has been altered owing to the receipt of information for a preceding week.

II.—DATA from which the SUMMARY on page 283 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	47	36	44·7	40·4	42·6	+ 1·8	11	4	4	0·35	− 0·65	*	*	*	*
	Stornoway	48	31	46.9	38·1	42·5	+ 1·8	20	11	2	0·05	− 1·15	8·2	+ 1·3	17	+ 2
	Wick	48	27	45·9	38·1	42·0	+ 2·1	11	11	5	1·29	+ 0·63	*	*	*	*
	Lairg Ş	49	24	45·1	34·0	39·6	+ 1·1	9	31	5	0·66	− 0·14	*	*	*	*
	Glencarron Ş	48	31	44·5	35·7	40·1	+ 1·8	7	24	4	0·69	− 1·57	*	*	*	*
	Fort Augustus Ş	48	31	45·9	37·0	41·5	+ 1·8	11	21	6	0·36	− 0·74	4·0	+ 1·8	8	+ 3
	Fort William Ş	48	35	46·8	38·7	42·8	+ 2·0	19	9	5	0·59	− 1·41	3·8	0·0	8	0
1. SCOTLAND, E.	Nairn	45	25	43·6	33·0	38·3	− 0·5	4	23	5	0·70	+ 0·19	*	*	*	*
	Aberdeen	47	29	46·0	39·3	42·7	+ 2·9	16	8	6	0·82	+ 0·02	5·0	− 5·2	10	−10
	Braemar Ş	50	29	43·6	34·1	38·9	+ 2·9	4	29	6	0·86	+ 0·11	6·3†	+ 0·8†	13†	+ 2 †
	Ochtertyre Ş	49	28	44·9	38·1	41·5	+ 2·8	8	16	7	2·00	+ 1·00	*	*	*	*
	Leith	48	32	46·7	38·6	42·7	+ 1·9	19	10	5	0·44	− 0·07	*	*	*	*
	Marchmont Ş	46	28	44·1	35·9	40·0	+ 1·6	6	23	7	0·98	+ 0·14	5·3	− 4·9	10	−10
2. ENGLAND, N.E.	Alnwick Castle	47	29	46·0	39·7	42·9	+ 2·9	16	6	6	0·98	+ 0·21	*	*	*	*
	Durham	46	? 30	45·7	? 37·8	? 41·8	? + 2·0	? 10	? 18	5	0·68	+ 0·08	5·7	−4·5	11	− 9
	Shields	48	35	47·0	40·3	43·7	+ 3·3	19	5	5	0·65	+ 0·10	*	*	*	*
	Scarborough M	50	33	48·3	40·6	44·5	+ 3·1	23	4	7	0·74	+ 0·13	5·7	?	11	?
	Spurn Head	51	40	49·6	42·7	46·2	+ 4·8	29	0	6	0·30	− 0·20	*	*	*	*
	Fulbeck (Lincolnshire)	50	31	47·2	38·9	43·1	+ 3·4	21	9	7	0·65	?	*	*	*	*
3. ENGLAND, E.	Hillington M	49	33	46·3	39·1	42·7	+ 2·5	17	8	6	0·38	− 0·25	8.7	− 1·6	16	− 3
	Yarmouth	48	41	46·7	42·4	44·6	+ 3·6	18	0	4	0·19	− 0·46	*	*	*	*
	Geldeston	51	37	48·2	40·5	44·4	+ 3·1	23	4	6	0·21	− 0·37	9.6	− 2·7	17	− 6
	Cambridge	51	36	48·5	39·7	44·1	+ 3·8	24	6	4	0·19	− 0·23	8·0	− 3·9	14	− 8
	Felixstowe	50	41	47·5	42·9	45·2	+ 3·4	22	0	5	0·37	?	6·7†	?	12†	?
	Rothamsted	53	36	47·7	38·4	43·1	+ 2·9	23	10	6	0·48	− 0·10	10·6	− 0·2	19	− 1
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	47	30	45·7	38·1	41·9	+ 1·4	10	16	5	0·62	+ 0·15	*	*	*	*
	Loughborough	51	33	47·7	38·3	43·0	+ 1·6	23	10	5	0·44	− 0·03	*	*	*	*
	Cheadle M	52	35	45·9	38·5	42·2	+ 2·3	16	10	3	0·78	+ 0·14	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	54	38	47·0	40·5	43·8	+ 3·4	19	4	4	0·62	+ 0·11	13·0	?	23	?
	Churchstoke M															
	Hereford (Belmont) M	53	35	47·5	38·6	43·1	+ 1·8	22	10	5	0·69	+ 0·07	*	*	*	*
	Cirencester	50	35	47·1	38·3	42·7	+ 2·7	20	10	4	0·48	− 0·20	12·9	+ 2·9	23	+ 5
	Oxford	54	34	49·1	39·7	44·4	+ 3·6	26	6	6	0·27	− 0·30	15.7	+ 5·5	28	+ 8
5. ENGLAND, S.	London	53	40	49·0	41·3	45·2	+ 3·4	25	2	4	0·25	− 0·21	5·9†	− 0·2†	11†	− 1†
	Swarraton (Alresford) M	51	34	48.0	38·2	43·1	+ 1·7	24	11	6	0·80	?	*	*	*	*
	Dungeness	54	41	50·3	43·9	47·1	+ 4·0	36	0	3	0·38	− 0·34	10·3	?	18	?
	Hastings (St. Leonards)	54	40	50·1	43·1	46·6	+ 3·6	32	0	5	0.28	− 0·42	12·2	− 1·7	21	− 2
	Southampton	55	35	50·6	41·6	46·1	+ 3.4	30	1	5	0·79	+ 0·09	14·4	+ 2·4	25	+ 4
	Portland Bill	53	36	50·3	42·1	46·2	+ 1·5	29	0	6	1·01	?	*	*	*	*
	Shaftesbury M	? 50	36	? 47·1	? 38·7	? 42·9	? + 2·9	? 20	? 9	5	1·37	+ 0·58	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	48	37	47·2	41·2	44·2	+ 2·6	19	2	3	0·69	− 1·43	*	*	*	*
	Glasgow	47	35	45·3	40·2	42·8	+ 3·8	13	5	5	1·02	+ 0·12	4·4	+ 0·4	9	0
	Glenlee Ş	49	32	46·5	38·3	42·4	+ 3·1	18	10	5	1·10	− 0·40	*	*	*	*
	Douglas (Isle of Man)	50	36	48·3	41·9	45·1	+ 1·6	22	0	4	0·95	− 0·07	11·2	− 1·0	21	− 2
7. ENGLAND, N.W.	Newton Reigny	47	32	45·3	37·6	41·5	+ 3·8	9	18	5	0·80	?	6·2	?	12	?
	Stonyhurst	47	38	45·5	40·3	42·9	+ 2·0	13	5	5	0·75	− 0·25	7·2	− 1·1	13	− 2
	Blackpool M	51	37	48·6	39·9	44·3	+ 2·8	25	6	5	0·65	− 0·09	9·9	+ 2·7	18	+ 3
	Manchester (Prestwich)	49	39	46·7	41·0	43·9	+ 3·2	18	3	5	0·41	− 0·39	5·7	?	10	?
	Liverpool Obsy. (Bidston)	50	37	46·7	41·1	43·9	+ 2·3	17	3	4	0·58	− 0·07	8·2	?	15	?
	Llandudno M	50	42	48·1	43·6	45·9	+ 1·9	27	0	3	0·82	+ 0·10	7·2	− 1·7	13	− 4
	Holyhead	50	39	47·9	41·9	44·9	− 0.5	21	0	4	0·66	− 0·21	*	*	*	*
8. ENGLAND, S.W.	Llandovery	52	31	48·4	36·3	42·4	+ 1·4	27	16	6	0·86	− 0·32	*	*	*	*
	Pembroke	52	42	49·4	43·7	46·6	+ 0·8	32	0	4	1·07	+ 0·13	11·3	− 0·1	20	− 1
	Clifton	52	39	48·3	40·6	44·5	+ 3·1	23	4	4	0·74	− 0·03	*	*	*	*
	Arlington (N. Devon)	51	32	48·4	37·0	42·7	+ 0·7	26	14	5	1·39	+ 0·01	*	*	*	*
	Cullompton M	53	31	48·5	35·3	41·9	− 0·8	18	28	6	1·29	+ 0·49	14·0	+ 4·5	25	+ 8
	Falmouth	53	39	49·9	40·9	45·4	− 1·3	28	3	5	1·74	+ 0·53	14·2	+ 0·5	24	+ 1
	Plymouth	54	36	51·6	40·2	45·9	+ 0·7	35	5	5	0·87	− 0·05	13·9	+ 2·2	24	+ 3
9. IRELAND, N.	Malin Head	50	39	47·0	41·4	44·2	+ 1·2	18	2	5	0·44	?	*	*	*	*
	Londonderry	50	34	48·0	39·2	43·6	+ 1·6	23	8	3	0·76	− 0·19	*	*	*	*
	Edenfel (Omagh)	50	29	46·3	36·4	41·4	+ 1·9	12	23	3	1·92	+ 1·12	*	*	*	*
	Blacksod Point	53	37	47·7	40·1	43·9	+ 0·1	21	5	5	0·60	?	*	*	*	*
	Markree Castle	51	29	47·8	36·0	41·9	+ 0·7	16	25	4	1·03	+ 0·13	7·5	− 3·5	14	− 6
	Armagh	49	33	47·1	40·5	43·8	+ 3·0	19	4	5	1·06	+ 0·46	4·1	− 8·1	8	−14
	Donaghadee	49	34	48·6	40·7	44.7	+ 1·7	24	4	5	0·99	+ 0·39	*	*	*	*
10. IRELAND, S.	Dublin	53	35	50·0	40·9	45·5	+ 2·0	29	3	5	2·11	+ 1·64	4·6	− 9·7	8	−19
	Parsonstown	51	32	48·0	35·9	42·0	+ 0·8	17	17	6	1·19	+ 0·42	8·3	− 5·0	15	− 8
	Kilkenny	51	29	48·0	34·3	41·2	− 2·0	17	32	4	1·86	+ 1·25	*	*	*	*
	Roche's Point	53	37	50·4	40·7	45·6	+ 0·4	31	4	5	1·12	− 0·04	*	*	*	*
	Valencia	53	32	49·7	38·3	44·0	− 2·4	30	10	6	3·54	+ 2·29	22·2	+10·4	40	+18
	Killarney												*	*	*	*
	Foynes	53	35	47·2	37·0	42·1	− 1·7	22	14	5	1·39	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	42	53·0	45·3	49·2	+ 1·2	50	0	4	1·22	+ 0·27	16·3	?	28	?
	Jersey	55	36	53·3	43·3	48·3	+ 1·8	44	0	6	0·90	+ 0·01	22·9	+ 8·7	39	+14

Stations marked M are in connection with the Royal Meteorological Society, and those marked Ş with the Scottish Meteorological Society.

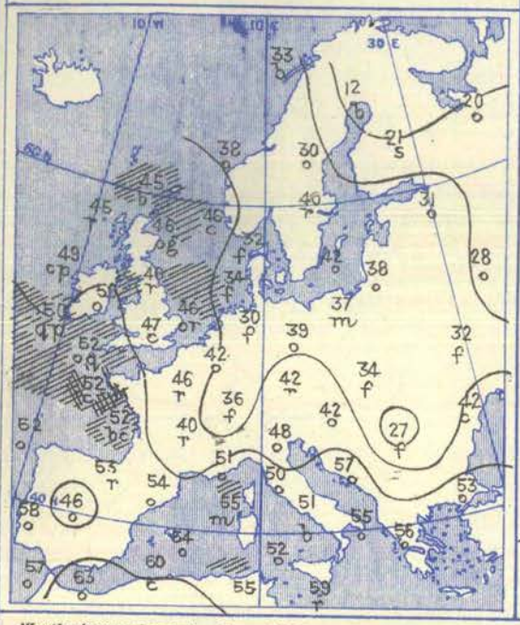
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

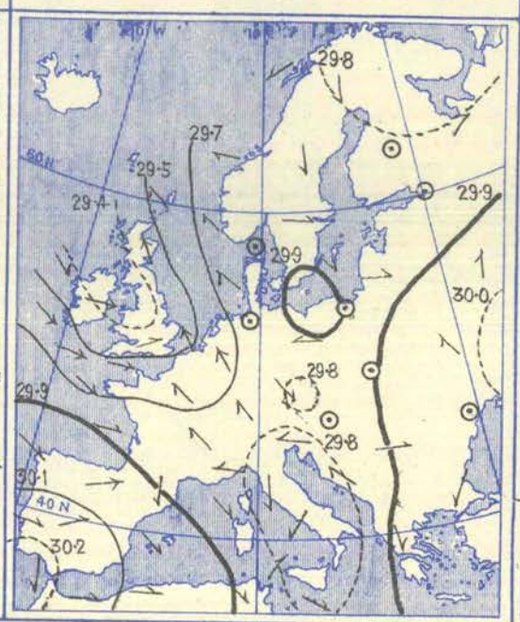
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 25th November.

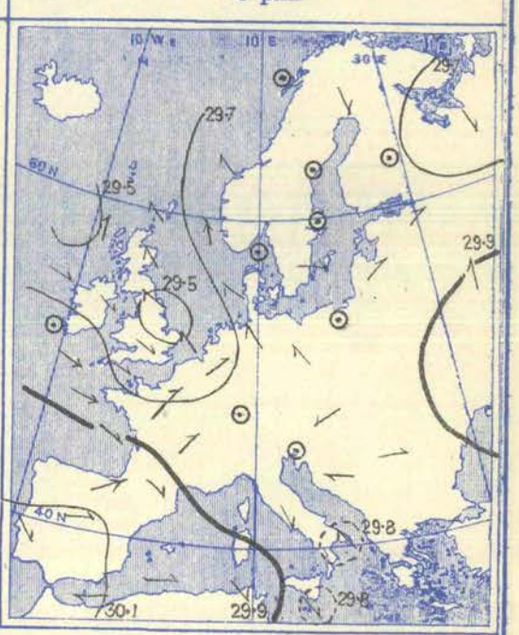
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and unsettled over the northern and central parts of the United Kingdom, with rain in several places; fine at most of our southern stations. Cloudy and dull over the greater part of the Continent, with fog over Austria, Denmark, North Germany, and the south of Scandinavia, and with rain in many parts of France and South Germany, as well as at Stockholm and Nicolaieff. Rain falling later over the greater part of Europe—heavily at Lesina. Lightning seen at Blacksod Point.

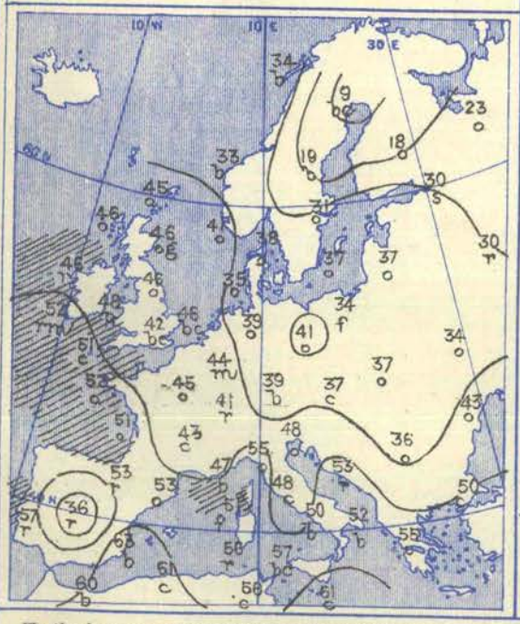
Temperature risen in most countries, but fallen in Norway, Denmark, and Austria. Morning readings highest, 63° at Oran, 60° at Algiers, and 59° at Malta and Nemours; above 55° at several of the Mediterranean and Spanish Coast stations, and above 50° over the English Channel and the Bay of Biscay. Lowest, 12° at Haparanda, 20° at Archangel, 21° at Kuopio, and 27° at Uleaborg. Rising during day to 50° and upwards in most parts of England and Ireland; exceeding 60° over the Spanish Peninsula and Southern Italy, and reaching 66° at Alicante and Palermo.

Wind Westerly or North-Westerly over the west and south of our Islands, the Bay of Biscay, and the Spanish Peninsula, and strong in force on our own south-west coasts. Moderate to fresh from the south-eastward over the Netherlands, the North Sea, and the north and east coasts of Great Britain. Northerly or North-Westerly in Sweden; calm or light from the southward in Russia; variable in Austria; Easterly in Italy. No important change occurring during day.

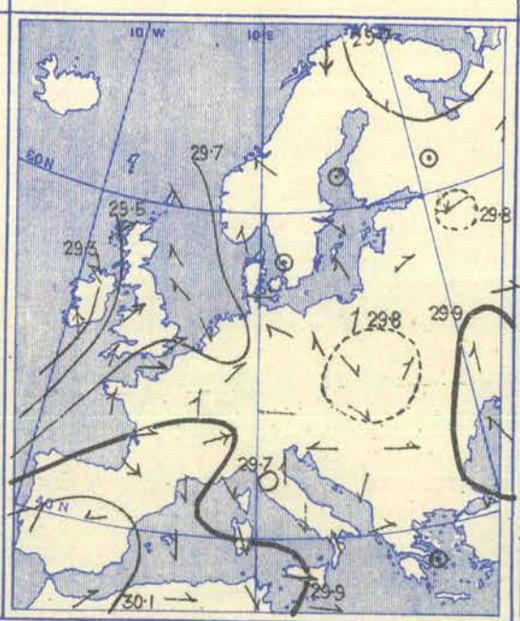
Barometer highest, 30·2 ins. and upwards in an anticyclone lying off the coast of Spain; 30·0 ins. and upwards in another system over the south of Russia. Lowest, 29·4 ins. and less in a depression with its centre over the Irish Sea; 29·7 ins. and less in a shallow area over the extreme north of Russia; 29·8 ins. and less in another shallow system over Italy. Depression over our Islands subsequently moving eastwards, and partially filling up; Italian depression almost entirely dispersing.

Monday, 26th November.

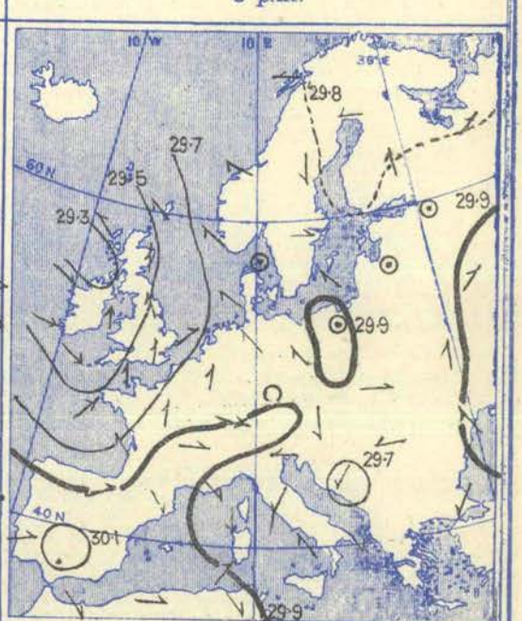
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull in all the more western and northern parts of the United Kingdom, with rain in the west of Ireland; fine in the south and east of England. Cloudy and dull over the greater part of the Continent, with rain in many scattered places, and with fog at several of the German stations. Fine in the northern part of Scandinavia, and also over southern Italy. Rain falling later in nearly all parts of western and southern Europe—heavily in the south of Ireland, and also in the north of Scotland.

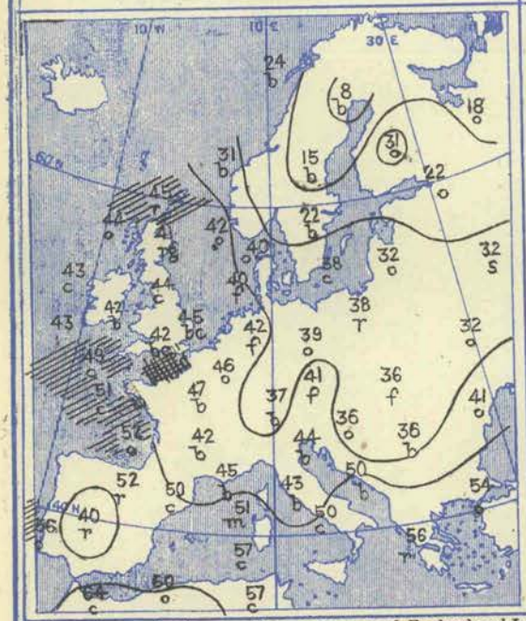
Temperature fallen in most countries, but risen in Denmark and north Germany. Morning readings highest, 63° at Alicante, 61° at Malta and Algiers, and 60° at Nemours; above 55° at several of the Mediterranean and Spanish Coast stations, and above 50° on our own extreme south-west coast. Lowest, 9° at Haparanda, 11° at Uleaborg, and 18° at Kuopio; below the freezing point over Sweden and northern Russia generally. Rising during day to 50° and upwards in several parts of England and Ireland; to 55° at Jersey; and to 56° at Scilly. Exceeding 60° at several of the Mediterranean stations, and to 70° at Cagliari.

Wind Southerly or South-Easterly in the west and north of our Islands, and strong in the south of Ireland. Light from the South-Westward over the Spanish Peninsula, and the West of France, and from the North-Westward in the south and east of England, but Easterly and South-Easterly in Denmark and the west of Norway. Light and variable over Sweden, Russia, Germany, Austria, and Italy. South-Westerly over the Spanish Peninsula. Subsequently shifting to the North-Westward on our extreme west and south-west coasts. No important change occurring elsewhere.

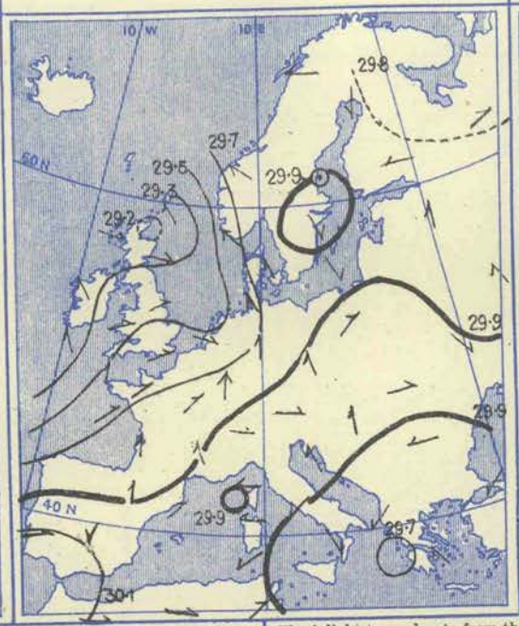
Barometer highest, 30·1 ins. and upwards in an anticyclone over Spain and Morocco; 30·0 ins. and upwards in another system over the south of Russia. Lowest, 29·3 ins. and less in a depression off the west of Ireland; 29·8 ins. and less in three shallow disturbances, lying respectively over northern Italy, Poland, and the neighbourhood of St. Petersburg. Depression over our western coasts advancing later as a "V shaped" system directly north-eastwards across the United Kingdom.

Tuesday, 27th November.

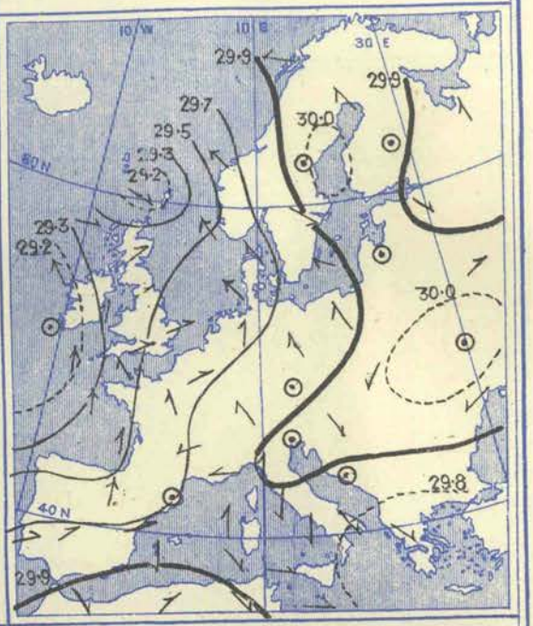
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of England and Ireland, but rainy at Valencia; rain falling also in the north and east of Scotland. Fine in Scandinavia and also in Italy and the south of France; cloudy and dull in most other parts of the Continent, with rain at Biarritz and Madrid, as well as at Patras and Constantinople; snow falling at Moscow. Rain occurring later in most parts of western Europe, the fall being heavy in the south-west of our Islands and the west of France

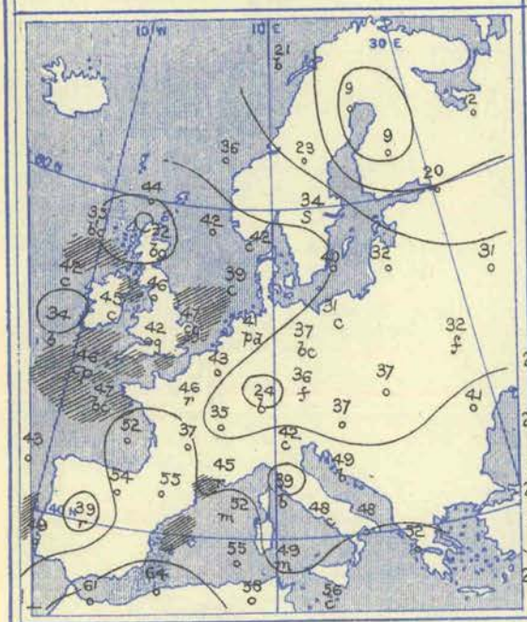
Temperature fallen in most countries but risen in Germany and Austria. Morning readings highest, 64° at Nemours, 60° at Algiers and 57° at Cagliari, Oran and La Calle; above 50° at the Mediterranean and Spanish coast stations generally, and also in the west of France. Lowest 8° at Haparanda, 12° at Uleaborg and 15° at Hernösand; below the freezing point in most parts of Russia and Scandinavia. Rising during day to 50° and upwards at most of our own central and southern stations, and to 55° at Jersey; exceeding 60° over the Spanish Peninsula and southern Italy, and reaching 68° at Cagliari. Sharp frost occurring in Scotland at night.

Wind light to moderate from the Southward or South-Westward on the west coasts of Great Britain and France, and from the South-Eastward in the west of Ireland. Moderate from the Westward on all our eastern coasts, but South-Easterly on the eastern shores of the North Sea. Variable in Russia and Austria and also over the Spanish Peninsula and the extreme south of France; North-Easterly at most of the Italian stations. Subsequently backing to the Southward or South-Eastward over England and increasing to a moderate gale on our south-west coasts.

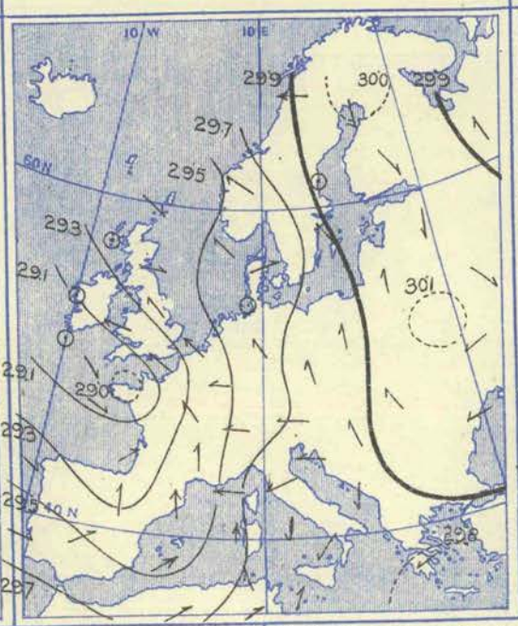
Barometer highest 30·1 ins. and upwards in an anticyclone over Morocco and the south of Spain; 30·0 ins. and upwards in another system over the extreme south of Russia. Lowest 29·2 ins. and less in a small depression lying off the north of Scotland; 29·3 ins. and less in another disturbance approaching the west of Ireland. Former depression moving away later to the north-eastward; latter disturbance spreading eastwards over all our western coasts.

Wednesday, 28th November.

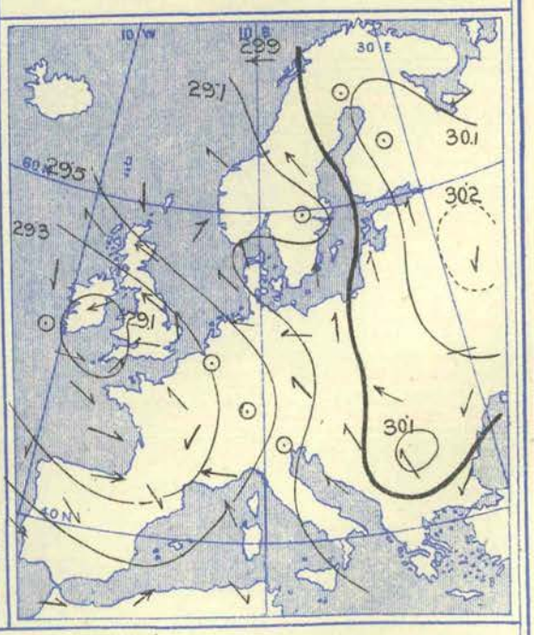
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and unsettled over England, Ireland and the greater part of the Continent, with rain in the south of England and the north of France, as well as at Nice and Madrid; snow falling in the south of Sweden. Fine in Scotland and also in Germany and Italy, but foggy, over eastern Germany and the south of Russia. Rain falling later in most parts of western and southern Europe—very heavily in the south of France, where thunderstorms occurred.

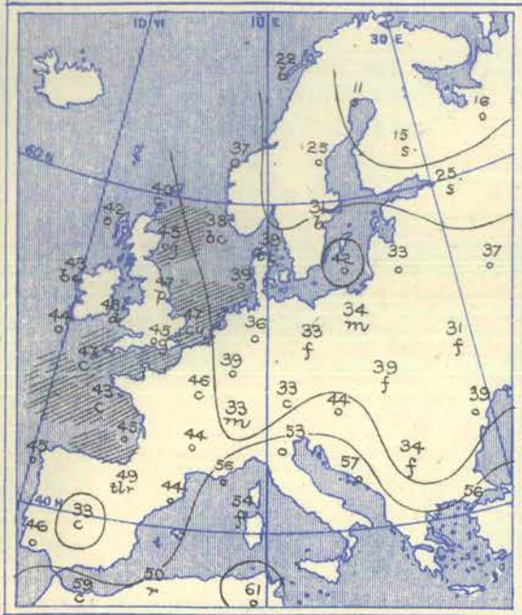
Temperature risen over England and also over Scandinavia and the southern parts of France, fallen in most other localities. Morning readings highest, 64° at Algiers, 61° at Nemours and Oran, 58° at Palma and Tunis; above 50° over the Mediterranean and Bay of Biscay, and just touching that point at Jersey. Lowest, 9° at Haparanda, 9° Kuopio, and Helsingfors, 12° at Archangel, and 19° at Uleaborg and Hangö; below the freezing point over the greater part of Russia and Scandinavia, and also in the north of Scotland. Rising during day to 50° or slightly above it at several of the English stations; exceeding 55° in many parts of southern Europe and reaching 61° at Perpignan.

Wind light to moderate from the North-Westward in the extreme south-west of our Islands and also on the Portuguese coasts, and from the South-Westward or Southward in Spain and the west of France; Easterly or South-Easterly over Germany, the Netherlands, England and the north of Ireland and strong in force on our east and north-west coasts. Light from the Westward in the north-east of Scotland and from the South-Eastward in the west of Norway. Variable in Russia; Northerly or North-Easterly in Italy. No important change occurring during day.

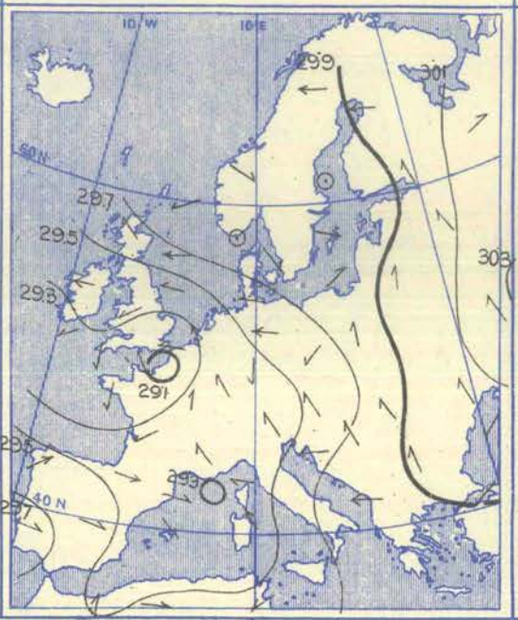
Barometer highest, 30·0 ins. and upwards in a large anticyclone lying over Russia. Lowest, 29·0 ins. and less in a depression with its centre over the western parts of the English Channel; small secondary disturbance noticed over the southern parts of the Bay of Biscay. Depression moving later in a north-westerly direction to the St. George's Channel; secondary system advancing north-eastwards over France.

Thursday, 29th November.

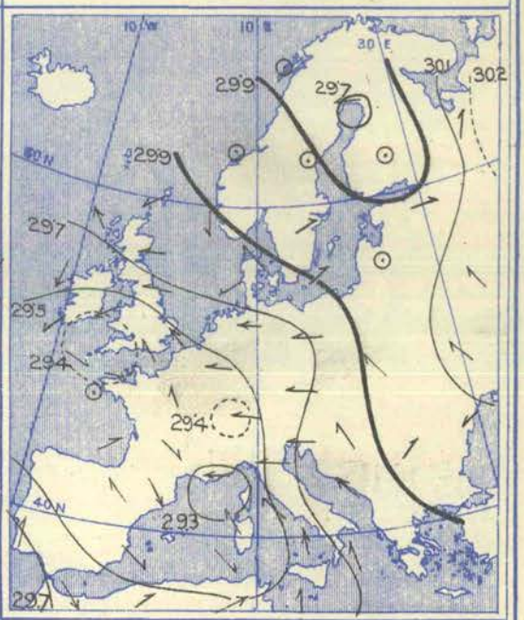
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and dull over our Islands and the Continent generally, with rain over the English and St. George's Channels; rain falling also over the southern parts of France and Russia, with a thunderstorm at Biarritz, and snow in Finland. Slight rain falling later in most parts of the United Kingdom, and much larger quantities in Italy and the south of France—as much as 3·2 ins. at Rome and 2·0 ins. at Pesaro. Thunderstorm occurring at Algiers.

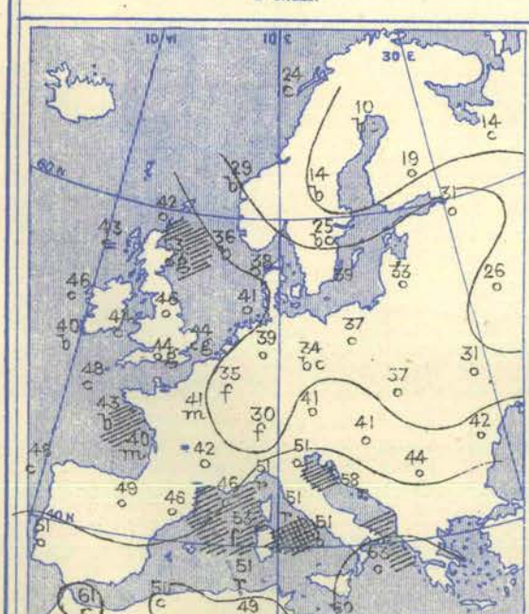
Temperature risen considerably in Scotland and also over the Gulf of Finland, changed rather irregularly elsewhere. Morning readings highest, 61° at Tunis, 59° at Nemours, 57° at Sfax, and 56° at Toulon; above 50° at most of the Mediterranean stations and above 45° in many parts of the United Kingdom. Lowest, 11° at Haparanda, 15° at Uleaborg and Kuopio, and 16° at Archangel; below the freezing point in most parts of Scandinavia and northern Russia. Rising during day to 50° and upwards on our extreme south-west coasts; exceeding 55° in many parts of southern Europe and exceeding 60° over Southern Italy.

Wind Easterly or South-Easterly over Austria, Germany and the Netherlands and all the more northern and eastern parts of the United Kingdom, and strong in force on our own east and north-west coasts. North-Westerly or Westerly over the western parts of the English Channel; Westerly over the Spanish Peninsula. Southerly or South-Easterly in Russia; Easterly in the North of Scandinavia. No important change occurring during day.

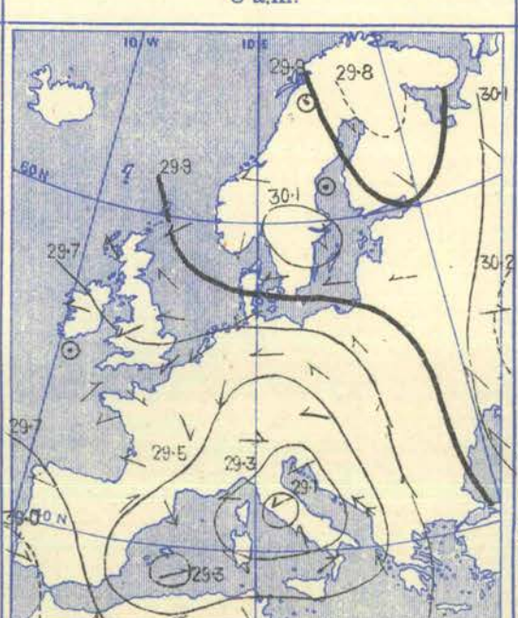
Barometer highest, 30·2 ins. and upwards in a large anticyclone over Russia; 29·8 ins. and less in a smaller system lying to the northward of the Shetlands; 29·7 ins. and less in a third area of relatively high readings over Portugal. Lowest, 29·2 ins. and less in a well marked depression with its centre over the Isle of Wight. Depression subsequently moving in a west-north-westerly direction to the Bristol Channel and partially filling up; barometer rising over western Europe generally.

Friday, 30th November.

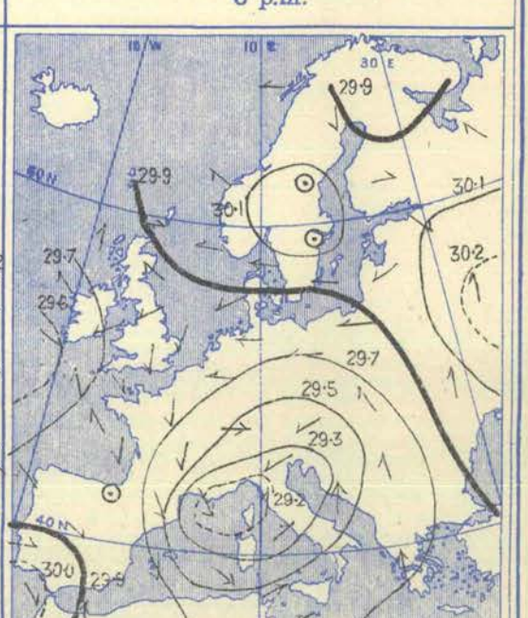
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over our Islands and the Continent generally, with fog in many parts of central Europe, and rain over the extreme south of France and the northern parts of Italy and the Adriatic, as well as at Cagliari and La Calle. Fine over the Channel and the north of France and also at most of the Scandinavian stations. Sky clearing later in the south-west of our Islands and the west of France; rain continuing in many parts of southern Europe—heavily at Rome and Naples. Thunderstorm occurring at Algiers.

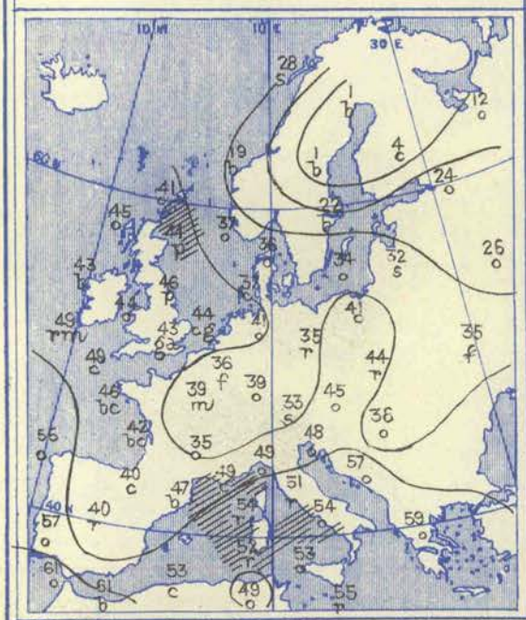
Temperature fallen in most places. Morning readings highest, 63° at Brindisi, 61° at Nemours, 60° at Malta, and 58° at Lesina; above 50° at most of the Mediterranean and Adriatic stations, and above 45° over Ireland and the south-west of England. Lowest, 10° at Haparanda, 14° at Hernösand and Archangel and 17° at Karlstad; below the freezing point in most parts of Russia and Scandinavia. Rising during day well above 45° in most parts of England and Ireland, and to between 51° and 54° on our extreme south-west coasts; exceeding 55° over southern Europe generally and reaching 66° at Cagliari, and 64° at Sanguinaire.

Wind light to fine from the Eastward in most of the north-western and central countries, but Northerly over the Netherlands and the east and south-east of England. Calm or North-Westerly over Sweden and Finland. Southerly or South-Westerly over southern Europe, but Easterly over the northern parts of that country, and North-Westerly in the extreme south of France. Subsequently veering to the South-Eastward on our own western coasts no important change occurring elsewhere.

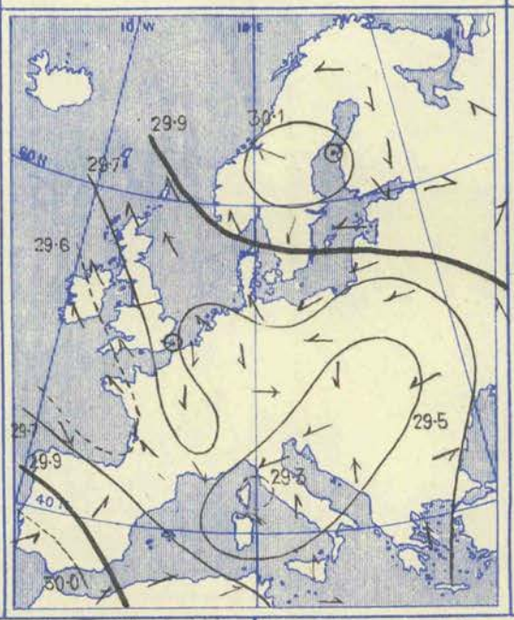
Barometer highest, 30·2 ins. and upwards in an anticyclone over the south of Russia; 30·1 ins. and upwards in another system over the southern parts of Scandinavia. Lowest, 29·1 ins. and less in a well-marked depression with its centre over northern Italy; 29·6 ins. and less in a shallow system off our own extreme south-west coasts; 29·8 ins. and less in another disturbance over Lapland. Italian depression subsequently moving northwards and partially filling up; shallow system off our south-west coasts passing away to the westward.

Saturday, 1st December.

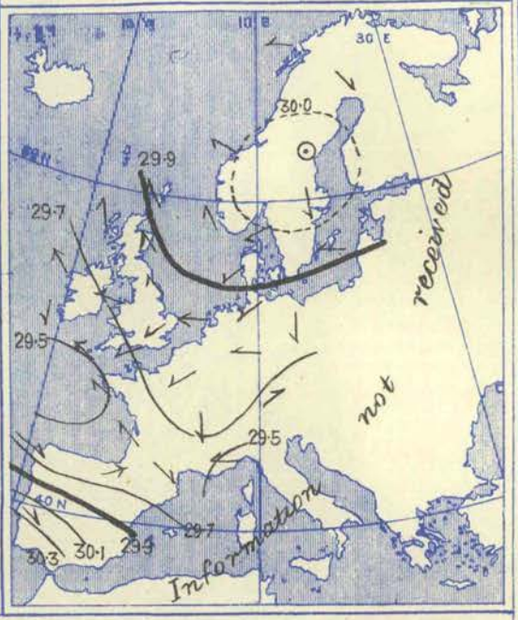
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over nearly the whole of our Islands and the Continent, with fog over Belgium and the central parts of England and France, and slight rain in many parts of Great Britain. Rain falling also in Germany, Austria, and isolated parts of Spain and Italy, and snow at Munich, as well as at Bodö, Hangö, and Riga. Fine at several of the western stations in our Islands and France, but rainy at Valencia (Ireland). Rain falling later in most parts of the United Kingdom, and also in the west of France—heavily at Valencia and Biarritz, with a thunderstorm at the latter station.

Temperature fallen considerably in Finland and Sweden, changed irregularly elsewhere. Morning readings highest, 61° at San Fernando and Nemours, and 59° at Athens; above 50° at most of the Mediterranean, Adriatic, and Spanish coast stations, and just touching that point at Roche's Point. Lowest, 1° at Haparanda and Hernösand, 4° at Kuopio, and 9° at Uleaborg; below the freezing point over nearly the whole of Russia and Scandinavia. Daily maxima below 45° in many parts of Great Britain, but thermometer exceeding 50° on our extreme south-west coasts, and exceeding 55° in the south of France.

Wind light to moderate from the Eastward or North-Eastward over the Baltic, Denmark, north Germany, and the east of England, and from the Northward over central France; South-Easterly in the west and north of our Islands, and also in the western parts of France and Norway. Westerly in Spain; North-Westerly in the extreme south of France; Southerly or South-Westerly in Italy; South-Easterly in the south of Russia. No important change occurring over Western Europe later.

Barometer highest, 30·1 ins. to 30·0 ins. in an anticyclone over Scandinavia and central Russia; 30·0 ins. and upwards in another system to the south-westward of the Spanish Peninsula. Lowest, 29·3 ins. and less in a depression with its centre over the Gulf of Genoa; 29.6 ins. and less in a large shallow disturbance over the Bay of Biscay and our extreme south-west coasts. Latter disturbance subsequently moving slowly eastwards; barometer rising again in the south of Ireland in its rear.

GENERAL NOTES.

During the early part of the week barometrical pressure was highest over the Spanish Peninsula, but high also over the south of Russia, the two areas being separated by a large shallow depression which occasioned general rains in Italy. Over north-western Europe the weather was affected by two cyclonic disturbances which advanced eastwards across our Islands respectively on the 25th and 26th, each system occasioning rain in nearly all places, with moderate breezes from South-East, shifting to West and North-West.

After the latter date the high pressure areas both gave way temporarily, a new anticyclone being, however, gradually developed over northern Europe. The depressions which approached our Islands now moved further south, and in rather erratic paths. The centre of one appeared over the western part of the Channel early on the 28th and afterwards moved first in a north-westerly, and afterwards in a south-westerly direction away to the Atlantic. A well-marked secondary advanced in the meantime over the Bay of Biscay to the south of England and afterwards passed away to the westward, the movements of the two depressions being attended by rain over western Europe generally and by slight gales from the South-Eastward or Eastward on many parts of our own coasts. After the 29th a large and complex depression was developed over Italy and the neighbouring parts of the Mediterranean, the disturbance occasioning repeated thunderstorms in the south of France, and very heavy rain in many parts of southern Europe, the latter resulting in serious floods in Rome and the neighbouring districts.

At the close of the week an anticyclone was again appearing over Spain, the high pressure system over northern Europe being still in force. The depression over Italy was dispersing, but a shallow disturbance was advancing over the south-western parts of our Islands, the weather over the United Kingdom generally being cold, gloomy and damp.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 284.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	2·7	?	6	?	WORTHING	17·8	?	31	?
STRATHPEFFER SPA	4·2	- 3·4	9	- 7	BOGNOR	16·4	?	29*	?
EDINBURGH	5·0	- 3·8	10	- 7	WATERGATE (Emsworth)	12·6	?	22	?
MORPETH	6·5	?	12	?	WESTBOURNE (Emsworth)	12·7*	+ 1·7	22*	+ 2
NEWCASTLE-ON-TYNE	4·5	?	8	?	VENTNOR HOSPITAL	15·1	?	26	?
OSWALDKIRK (Yorkshire)	5·4	- 4·4	10	- 8	SOUTHPORT	7·6	?	14	?
YORK					RHYL	12·5*	?	23*	?
LOWESTOFT	? 4·4	?	?8	?	COLWYN BAY	6·6	?	12	?
HOLLESLEY BAY	8·0	?	14	?	ABERDOVEY	8·9*	?	16*	?
SHEFFIELD	4·9	?	9	?	TENBY	11·6	+ 0·4	21	+ 1
WORKSOP	5·7	- 2·3	10	- 6	BATH	13·8	?	24	?
THURCASTON (Leicestershire)	7·2	- 2·5	13	- 4	NEWQUAY	12·6	- 1·4	22	- 3
MARGATE	6·8	- 5·7	12	- 9	TORQUAY	18·5	+ 6·1	32	+10
EASTBOURNE	14·9	+ 2·8	26	+ 4	GUERNSEY	12·8*	+ 1·7	22*	+ 4
BRIGHTON	13·4	+ 1·7	24	+ 2					

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°	—	—	—	—	—	—	—
Week ending Sept. 29th, 1900	Hollesley Bay	—	—	—	—	—	—	—	—	—	—	—	38·3	?	47	?
" Oct. 6th, "	Newton Reigny	60	34	56·7	41·0	48·6	- 0·2	50	3	6	3·30	?	21·0	?	27	?
													22·0	?	28	?
" " " "	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	10·7	- 9·0	14	- 13
" " " 13th, "	Edinburgh	—	—	—	—	—	—	—	—	—	—	—	14·9	- 7·1	20	- 8

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 49.] *Third Series*

WEEK ENDING SATURDAY, DECEMBER 8TH, 1900.

[*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 290.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	56	23	44·4	34·1	39·5	0 (average)	Day-deg. 7	Day-deg. - 3	Day-deg. 31	Day-deg. + 9	Day-deg. 2087	Day-deg. +134	Day-deg. 788	Day-deg. + 37
	1. SCOTLAND, EAST	58	25	44·6	34·4	39·7	2 above	7	- 4	30	+ 2	2241	-101	861	+ 54
	2. ENGLAND, N.E.	56	37	48·7	41·0	45·0	6 above	25	+11	3	-19	2691*	+140	565*	- 81
	3. ENGLAND, EAST	57	35	50·4	41·4	46·1	6 above	31	+16	2	-23	3201	+253	569	-162
	4. MIDLAND COUNTIES	57	33	50·4	41·5	46·1	7 above	31	+14	1	-25	3000	+ 80	629	-124
	5. ENGLAND, SOUTH	57	34	51·9	42·7	47·5	6 above	39	+16	0	-14	3395	+162	407	-136
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	55	32	47·3	40·5	44·0	4 above	20	+ 4	4	-14	2524	+ 36	567	+ 7
	7. ENGLAND, N.W.	60	35	50·2	42·6	46·5	6 above	32	+14	0	-16	2829	+100	485	- 45
	8. ENGLAND, S.W.	58	30	52·4	43·8	48·3	6 above	44	+16	0	-10	3196	+136	373	- 30
	9. IRELAND, NORTH	57	31	49·1	40·8	45·2	4 above	27	+11	3	-14	2666	+ 47	483	+ 5
	10. IRELAND, SOUTH	58	33	52·8	43·5	48·3	5 above	44	+18	0	-12	3109	+107	423*	+ 59
	—CHANNEL ISLANDS	58	37	54·8	47·5	51·3	5 above	65	+23	0	- 3	4013*	+456	97	- 58

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 290.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	6	10ths of in. 17	10ths of in. 4 more	239	+10	Ins. 48·2	Ins. + 1·7	4	0	9	0	1081	+ 41	25	+ 1
	1. SCOTLAND, EAST	6	15	8 ,,	207	+20	34·4	+ 4·4	4	- 4	9	- 6	1138	-116	27	- 2
	2. ENGLAND, N.E.	6	9	3 ,,	180	+ 3	29·2	+ 4·2	3	- 6	6	-11	1182	- 67	28	- 1
	3. ENGLAND, EAST	5	7	1 ,,	177	+ 4	23·4	- 1·0	3	- 9	5	-16	1641	+ 66	37	+ 2
	4. MIDLAND COUNTIES	6	9	3 ,,	172	+ 3	27·1	+ 0·2	1	- 8	2	-15	1370	+ 74	34	+ 2
	5. ENGLAND, SOUTH	6	12	6 ,,	160	- 5	25·5	- 1·9	3	- 8	5	-15	1705	+112	40	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	28	14 ,,	219	+23	55·5	+ 6·3	1	- 6	3	-12	1284	- 37	30	- 1
	7. ENGLAND, N.W.	6	16	8 ,,	188	+ 4	36·4	+ 3·3	2	- 6	4	-12	1468	+110	34	+ 3
	8. ENGLAND, S.W.	7	24	14 ,,	196	+ 9	41·4	+ 2·8	2	- 9	3	-18	1711	+ 95	40	+ 2
	9. IRELAND, NORTH	6	13	5 ,,	224	+11	38·2	+ 4·6	3	- 7	5	-15	1293	+ 51	30	+ 1
	10. IRELAND, SOUTH	7	14	5 ,,	201	+ 8	43·5	+ 7·1	2	-10	4	-19	1427	+ 16	34	+ 1
	— CHANNEL ISLANDS	7	25	16 ,,	232	+ 3	32·0	+ 0·4	5	- 7	8	-14	1902	+101	46	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather during this period was extremely dull generally and considerable falls of rain of almost daily occurrence.

Temperature was just equal to the mean in Scotland N., but above it in all other districts, the excess ranging from 2° in Scotland E., to 6° in most of the English districts and to as much as 7° in the Midland Counties. The highest of the maxima were registered, as a rule, on the 8th, and varied from 60° in England N.W. to 58° or 57° in most other parts of the Kingdom, and to 55° in Scotland W. The lowest of the minima were experienced during the earlier half of the week, when they ranged from 23° in Scotland N., and 25° in Scotland E., to 35° in England E. and N.W. and to 37° in England N.E. and the Channel Islands.

Rainfall was more than the mean ; over the western and southern parts of Great Britain and in Scotland E., the fall was about twice as great as the normal.

Bright Sunshine was unusually deficient, the percentage of the possible duration ranging from 9 in Scotland N. and E., and 8 in the Channel Islands, to 2 in the Midland Counties.

Barometer and Wind.—A series of depressions, some of them large and rather deep, passed over our Islands from the south-westward, and as the barometer was highest either to the southward or south-eastward of our Islands, the wind varied from between south and west. In force it was mostly moderate, but frequently increased to a strong breeze in the west and south, and occasionally attained the force of a gale. At the end of the week strong Southerly and South-Westerly winds were blowing in all parts of the Kingdom.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 289 has been calculated.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head ℳ	50	32	43·9	35·6	39·9	− 0·2	5	25	6	1·68	+ 0·68	*	*	*	*
	Stornoway ℳ	53	29	47.4	34·3	41·1	+ 1·0	15	32	4	1·20	− 0·05	6·1	+ 0·2	13	0
	Wick ℳ	52	26	44·7	34·0	39·6	+ 0·5	8	32	7	0·37	− 0·34	*	*	*	*
	Lairg ℳ	56	23	43·4	30·1	37·0	− 0·7	4	44	5	0·91	+ 0·11	*	*	*	*
	Glencarron ℳ	48	27	42·0	32·3	37·3	− 0·3	0	33	5	2·13	− 0·12	*	*	*	*
	Fort Augustus ℳ	55	27	44·3	35·3	40·0	+ 1·1	6	26	6	1·50	+ 0·38	1·5	− 0·2	3	− 1
	Fort William ℳ	56	29	45·0	37·4	41·4	+ 1·3	8	20	7	4·23	+ 2·18	0·0	− 2·7	0	− 6
1. SCOTLAND, E.	Nairn ℳ	57	26	44·6	31·6	38·4	+ 0·1	7	40	4	0·70	+ 0·20	*	*	*	*
	Aberdeen ℳ	54	27	45·1	34·1	39·8	+ 1·2	9	31	6	1·10	+ 0·32	5·2	− 4·3	11	− 8
	Braemar ℳ	53	25	41·0	31·1	36·3	+ 1·0	0	40	5	1·21	+ 0·51	6·5†	+ 1·5†	14†	+ 4 †
	Ochtertyre ℳ	54	32	44·6	35·6	40·3	+ 2·3	7	26	7	2·46	+ 1·48	*	*	*	*
	Leith ℳ	58	38	48·0	39·1	43·7	+ 3·6	24	8	6	1·88	+ 1·38	*	*	*	*
	Marchmont ℳ	52	33	44·0	35·1	39·7	+ 2·1	6	27	7	1·69	+ 0·89	2·3	− 6·6	5	−13
2. ENGLAND, N.E.	Alnwick Castle ℳ	56	37	48·2	39·2	43·9	+ 4·6	25	8	6	0·69	− 0·06	*	*	*	*
	Durham ℳ	55	38	47·0	39·9	43·6	+ 4·7	20	6	6	0·60	− 0·10	4·1	−5·7	8	−12
	Shields ℳ	56	39	48·4	41·3	45·0	+ 5·4	24	2	6	0·81	+ 0·27	*	*	*	*
	Scarborough ℳ	53	40	48·6	42·1	45·5	+ 5·1	25	0	7	1·17	+ 0·56	2·0	?	4	?
	Spurn Head ℳ	53	40	49·6	42·0	46·0	+ 5·9	28	0	4	0·86	+ 0·28	*	*	*	*
	Fulbeck (Lincolnshire) ℳ	55	39	50·1	41·7	46·1	+ 7·9	30	1	6	1·05	?	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	53	38	48·9	41·3	45·3	+ 6·1	26	2	5	1·13	+ 0·53	0·9	− 8·8	2	−16
	Yarmouth ℳ	52	40	49·6	41·4	45·7	+ 6·0	28	2	4	0·56	− 0·06	*	*	*	*
	Geldeston ℳ	55	35	50·1	40·4	45·4	+ 5·4	31	4	5	0·51	− 0·03	1·5	− 7·2	8	−15
	Cambridge ℳ	57	36	51·9	41·6	47·0	+ 7·8	37	1	6	0·66	+ 0·24	0·8	−10·0	1	−19
	Felixstowe ℳ	54	39	50·5	43·0	46·9	+ 6·2	34	0	4	0·47	?	4·4†	?	8†	?
	Rothamsted ℳ	56	35	51·4	40·6	46·2	+ 7·0	35	4	7	0·80	+ 0·23	3·0	− 7·0	5	−14
4. MIDLAND COUNTIES	Bawtry (Hesley Hall) ℳ	55	37	50·0	41·9	46·1	+ 6·8	29	0	6	0·91	+ 0·44	*	*	*	*
	Loughborough ℳ	56	37	50·9	41·3	46·3	+ 6·3	33	2	6	0·86	+ 0·38	*	*	*	*
	Cheadle ℳ	53	35	48·2	40·3	44·4	+ 6·0	24	5	6	1·37	+ 0·72	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	54	34	50·3	42·2	46·4	+ 6·9	31	0	6	0·58	+ 0·08	0·5	?	1	?
	Churchstoke ℳ	57	38	51·3	42·6	47·1	+ 7·7	36	0	7	0·67	− 0·05	0·9	− 7·9	2	15
	Hereford (Belmont) ℳ												*	*	*	*
	Cirencester ℳ	55	33	50·4	39·4	45·1	+ 5·9	33	7	7	1·07	+ 0·42	0·7	− 8·3	1	−16
	Oxford ℳ	56	38	51·9	42·7	47·5	+ 7·3	39	0	6	0·82	+ 0·28	2·4	− 7·1	4	−15
5. ENGLAND, S.	London ℳ	57	39	52·7	42·6	47·9	+ 7·2	41	0	5	0·73	+ 0·28	2·0†	− 3·2†	4†	− 7†
	Swarraton (Alresford) ℳ	56	36	50·9	41·0	46·2	+ 6·0	34	3	7	1·11	?	*	*	*	*
	Dungeness ℳ	56	40	52·4	44·1	48·4	+ 6·3	45	0	4	1·18	+ 0·48	3·1	?	6	?
	Hastings (St. Leonards) ℳ	55	41	51·5	44·0	47·9	+ 5·8	41	0	7	1.65	+ 0·97	3·0	−10·2	5	−18
	Southampton ℳ	57	39	53·0	44·3	48·8	+ 7.1	48	0	6	1·06	+ 0·36	1·9	− 9·4	3	−18
	Portland Bill ℳ	55	35	52·3	42·4	47·6	+ 4·1	39	0	5	1·47	?	*	*	*	*
	Shaftesbury ℳ	55	34	50·3	40·8	45·7	+ 6·8	31	3	7	1·44	+ 0·70	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart) ℳ	51	32	46·6	37·5	42·2	+ 1·1	20	13	7	3·43	+ 1·31	*	*	*	*
	Glasgow ℳ	55	37	44·8	39·6	42·2	+ 4·0	11	7	7	2·81	+ 1·91	0·3	− 3·4	1	− 7
	Glenlee $	54	34	47·0	40·0	43·6	+ 5·1	20	6	7	2·81	+ 1·33	*	*	*	*
	Douglas (Isle of Man) ℳ	54	43	51·0	44·7	48·0	+ 5·2	42	0	6	2·10	+ 1·08	2·0	− 9·0	4	−18
7. ENGLAND, N.W.	Newton Reigny ℳ	53	35	48·0	38·7	43·5	+ 6·5	24	9	7	1·36	?	2·0	?	4	?
	Stonyhurst ℳ	55	39	48·5	42·4	45·6	+ 5·7	25	0	6	2·09	+ 1·05	0·7	− 7·0	1	−13
	Blackpool ℳ	55	39	50·6	42·4	46·7	+ 6·4	33	0	6	1·73	+ 1·00	0·7	− 5·3	1	−12
	Manchester (Prestwich) ℳ	56	39	49·7	42·7	46·3	+ 6·6	30	0	6	1·84	+ 1·03	0·5	?	1	?
	Liverpool Obsy. (Bidston) ℳ	57	39	51·1	42·9	47·2	+ 6·6	36	0	7	1·39	+ 0·76	2·5	?	5	?
	Llandudno ℳ	60	40	52·3	44·8	48·7	+ 5·6	47	0	5	1·12	+ 0·42	1·3	− 6·5	2	−14
	Holyhead ℳ	53	39	50·9	44·3	47·7	+ 2.9	40	0	7	1·83	+ 0·98	*	*	*	*
8. ENGLAND, S.W.	Llandovery ℳ	54	34	51·9	41·4	46·9	+ 6·8	37	2	6	2·62	+ 1·42	*	*	*	*
	Pembroke ℳ	54	40	52·7	46·6	49·8	+ 4·7	55	0	7	1·73	+ 0·81	0·2	−10·0	0	−20
	Clifton ℳ	56	37	52·1	43·4	47·9	+ 7·3	41	0	6	1·43	+ 0·68	*	*	*	*
	Arlington (N. Devon) ℳ	54	35	50·9	41·9	46·6	+ 5·4	33	0	7	3·71	+ 2·35	*	*	*	*
	Cullompton ℳ	58	30	52·6	40·7	46·9	+ 5·2	40	4	7	1·65	+ 0·86	1·1	− 7·4	2	−14
	Falmouth ℳ	56	39	53·2	46·4	49·9	+ 4·0	55	0	7	3·26	+ 2·06	5·5	− 7·3	10	−13
	Plymouth ℳ	56	38	53·3	46·1	49·8	+ 5·5	55	0	7	2·63	+ 1·72	0·6	−10·5	1	−19
9. IRELAND, N.	Malin Head ℳ	54	38	48·7	41·0	45·0	+ 2·5	25	3	7	1·33	?	*	*	*	*
	Londonderry ℳ	56	35	48·9	40·1	44·7	+ 3·5	27	5	6	1·30	+ 0·36	*	*	*	*
	Edenfel (Omagh) ℳ	55	31	47·9	38·0	43·2	+ 4·5	25	11	6	1·45	+ 0·65	*	*	*	*
	Blacksod Point ℳ	55	38	51·1	43·4	47·4	+ 4·0	38	0	7	1·46	?	*	*	*	*
	Markree Castle ℳ	56	37	49·6	41·7	45·8	+ 5·3	28	1	7	1·19	+ 0·28	2·8	− 7·0	5	−13
	Armagh ℳ	57	38	48·8	41·3	45·2	+ 5·2	25	2	7	1·14	+ 0·54	2·4	− 7·8	5	−15
	Donaghadee ℳ	54	37	48·9	40·3	44.8	+ 2·3	27	5	5	0·85	+ 0·25	*	*	*	*
10. IRELAND, S.	Dublin ℳ	58	33	52·4	43·4	48·1	+ 6·0	43	0	6	0·51	+ 0·05	0·6	−12·5	1	−24
	Parsonstown ℳ	56	36	51·6	41·6	46·8	+ 6·3	35	1	7	1·00	+ 0·23	0·7	−11·3	1	−21
	Kilkenny ℳ	55	33	51·4	40·9	46·3	+ 3·7	35	3	7	0·76	+ 0·10	*	*	*	*
	Roche's Point ℳ	55	42	52·7	45·9	49·4	+ 4·6	52	0	6	1·39	+ 0·22	*	*	*	*
	Valencia ℳ	56	41	54·1	46·1	50·3	+ 4·2	58	0	7	1·82	+ 0·57	4·8	− 6·0	9	−12
	Killarney ℳ	57	39	54·5	42·7	48·8	+ 5·1	48	0	6	2·61	?	*	*	*	*
	Foynes ℳ	56	39	52·6	44·1	48·5	+ 5·2	46	0	7	1·34	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's) ℳ	58	45	55·1	48·6	52·0	+ 4·5	70	0	7	2·44	+ 1·49	4·7	?	8	?
	Jersey ℳ	58	37	54·4	46·4	50·6	+ 5·5	60	0	7	2·49	+ 1·64	3·6	−10·2	6	−19

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked $ with the Scottish Meteorological Society.

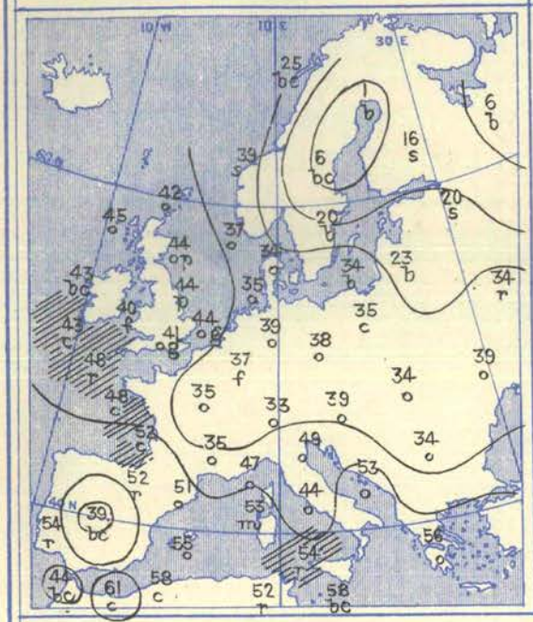
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

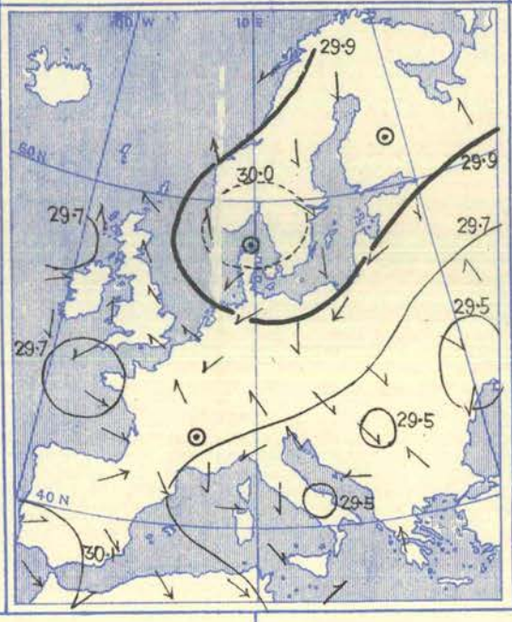
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 2nd December.

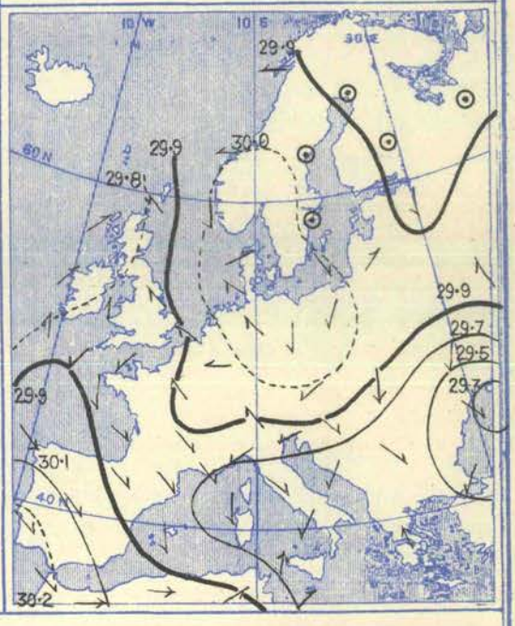
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in the extreme north of Europe, and also in the north-west of the extreme British Islands, but not at all settled over the rest of our Islands or Europe; very gloomy over England and France—with rain in places, fog in others. Rain falling later (1) in the west and north of the British Islands, (2) in the south-west and south of France, and over the Mediterranean—more than an inch at Biarritz.

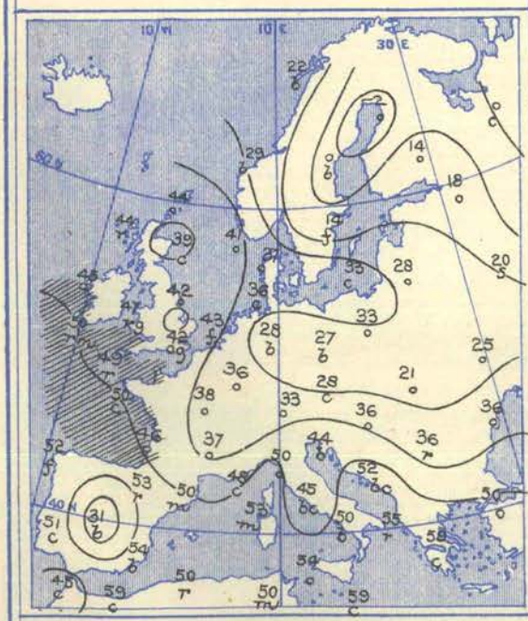
Temperature fallen over Russia and the eastern part of central Europe. Morning readings highest, 61° at Oran, 58° at Algiers and Malta; above 50° at most Mediterranean stations, 44° to 48° on south and west coasts of the British Isles. Lowest, (1) 1° Fahr. at Haparanda, 6° at Archangel and Hernösand, 15° at Karlstad, 17° at Hangö; (2) 39° at Oxford, 40° at Parsonstown. Touching 50° later at our extreme south-western stations only, but rising to 55° or 57° on the west and south coasts of France, 59° at Lisbon and Lesina, 63° at Palermo, and 65° at Malta.

Wind very variable all over Europe but mainly Easterly to Southerly over Great Britain, Northerly over the south of Ireland, North-Easterly in north Germany, North-Westerly over Austria-Hungary. Blowing very strongly from the westward and north-westward over the western parts of the Mediterranean. Shifting to the southward over the west of Ireland later, but becoming Northerly over the Bay of Biscay.

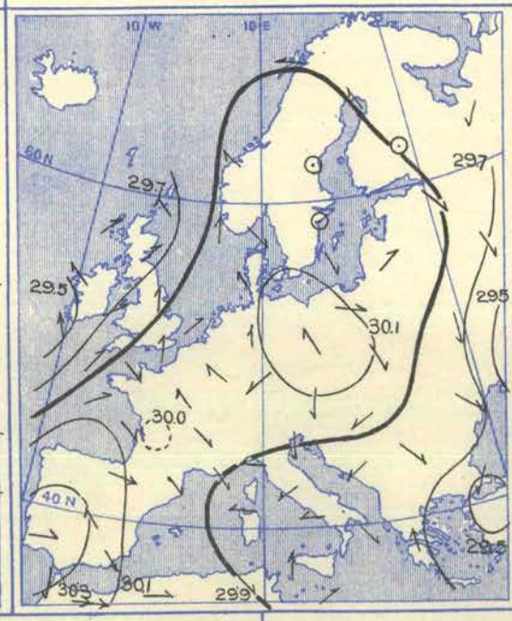
Barometer highest, (1) 30·34 ins. in the Azores; 30·2 ins. and more to 30·0 ins. over the south-western half of the Peninsula and over Morocco; (2) 30·0 ins. and more over the southern parts of Scandinavia. Lowest, 29·5 ins. and less in a most complex depression over south-eastern and southern Europe, and 29·7 ins. and less in others over the mouth of the English Channel and off our extreme north-west coasts; 29·9 ins. and less over the north-west of Norway. Well-marked depression forming later over the south of Russia; barometer rising over western Europe.

Monday, 3rd December.

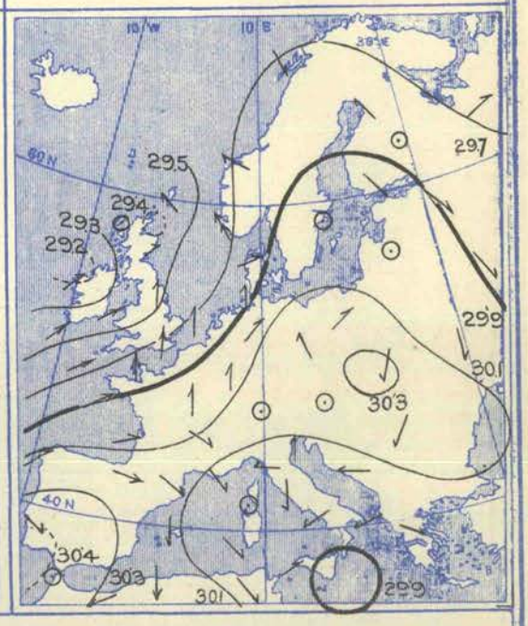
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Spain, over central Europe, and over the Baltic, cloudy and unsettled elsewhere, with rain in Ireland and the south-west of France, rain and snow in the southern half of Russia. Rain later in all parts of our Islands, and nearly all of France, as well as in the Netherlands, the fall being large at the most western stations—remaining fine over Scandinavia.

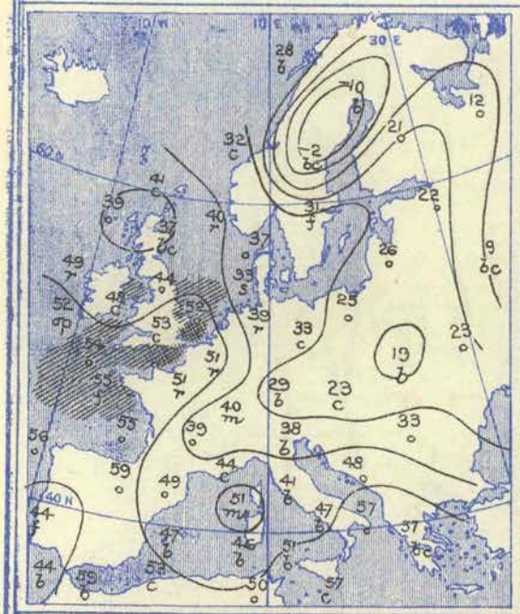
Temperature rising in the west of our Islands, falling over central Europe. Mornings readings highest, 59° at Malta and Athens, 53° at Biarritz, 50° at Valencia, 49°at Scilly, 47° at Holyhead, 44° at Stornoway. Lowest, -2° Fahr. at Uleaborg, + 18° at St Petersburg, 20° at Moscow, 28° at Riga, 25° to 28° over central Germany, 29° at Sumburgh Head. Rising later 56° or 55° on our south-western and southern coasts to 61° at Cape Bearn, 65° at Brindisi and Cagliari; not exceeding 7° at Hernosand.

Wind light and anticyclonic over central Europe and the Baltic, Northerly in Russia, Southerly over our Islands, and blowing strongly at our western stations; Easterly in the north of Italy, North-Westerly to Northerly in the east of Spain. Veering to West-South-West later at our western stations and increasing from south in the east.

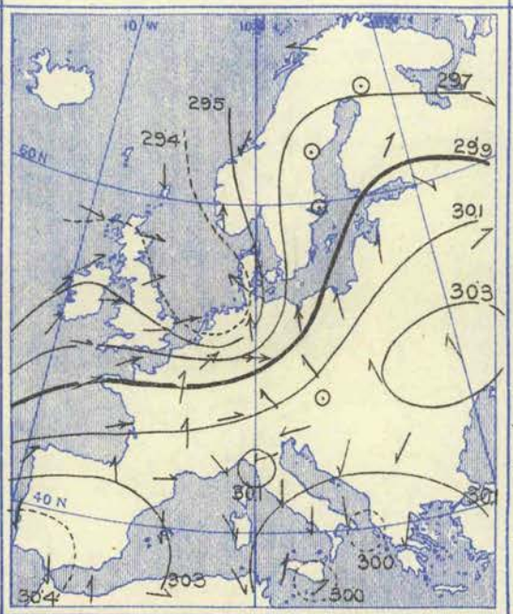
Barometer highest, 30·3 ins. and more to 30·0 ins. over the Spanish Peninsula, and 30·1 ins. and more to 30·0 ins. in another anticyclone over central Europe and Scandinavia. Lowest, 29·3 ins. and less in a depression over the south of Russia, and below 29·5 ins. in another approaching Ireland from the south-westward. The western system moving north-eastwards later, and barometer falling to 29·2 ins. at Blacksod Point. Russian disturbance disappearing.

Tuesday, 4th December.

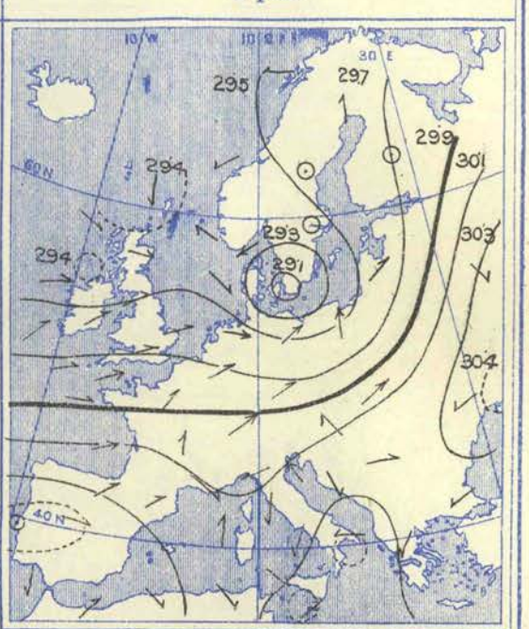
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at many of the southern European stations, as well as in Lapland, but cloudy or dull elsewhere, with rain at several of the French stations and also over the North Sea. Rain falling later in nearly all parts of northern and western Europe, heavily in many places, especially over the English Channel and the northern and north-eastern departments of France.

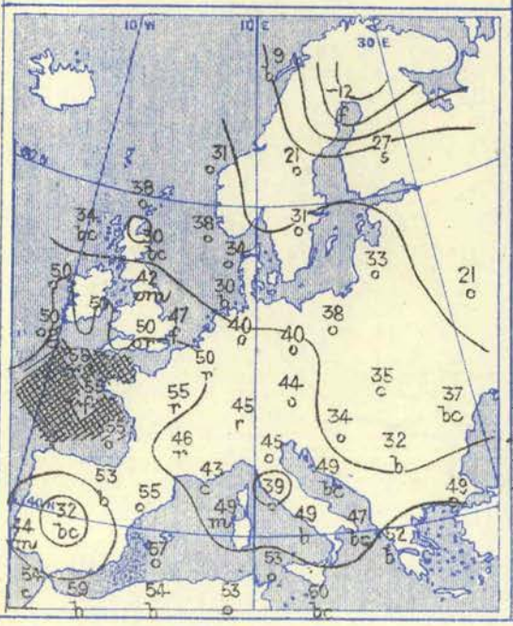
Temperature risen considerably over England and France, as well as in Scandinavia and the north of Russia, fallen in most other places. Morning readings highest, 59° at Oran, 57° at Malta, Athens, Brindisi and Biarritz, and 55° in the west of France. Highest in our Islands, 56° at Jersey and 54° at Scilly and Portland Bill. Lowest, —10° at Haparanda, —2° at Hernösand, 9° at Moscow and 12° at St. Petersburg, below the freezing point over central Europe generally. Rising during the day to considerably above 50° over France and the south of England, and maxima ranging from 60° to 64° reported from the Mediterranean stations, the highest reading of all being 68° at Nemours.

Wind strong to fresh over England and the Channel, fresh from the southward in Germany, and light from the southward over central and eastern Europe generally; chiefly Northerly over the Mediterranean and southern Europe, but Northerly to Westerly light in Scotland. No great change over our Islands later, but very complete cyclonic circulation appearing over Denmark and the south of Sweden.

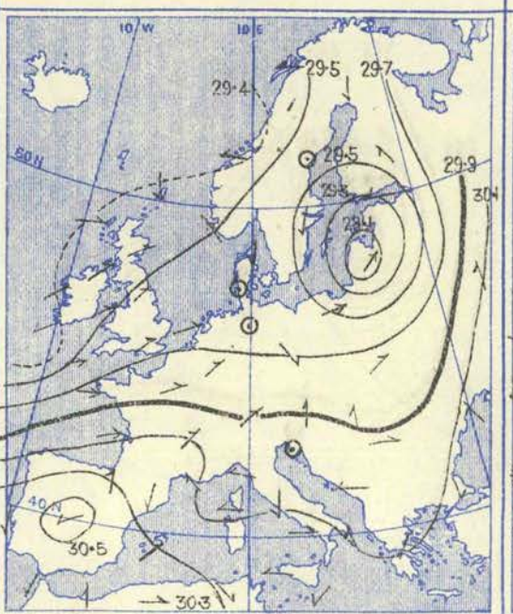
Barometer highest, 30·4 ins. and upwards over the south-western part of the Spanish Peninsula, and 30·3 ins. and upwards over southern Russia. Lowest, 29·4 ins. and less in a depression lying over the North Sea, and 30·0 ins. and less in a shallow system over the eastern part of the Mediterranean. Depression over the North Sea moving eastwards later to Denmark and the south of Sweden, and growing deeper. Small shallow disturbance appearing off the north-west of Ireland.

Wednesday, 5th December.

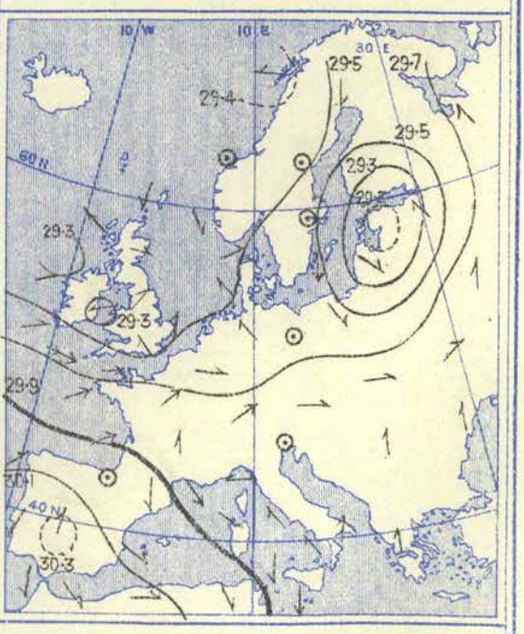
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in Scotland and also at some of the southern European stations, but cloudy or dull elsewhere, with rain at most of the German, French, and English stations, and snow over north-western Russia. Heavy rain later over the greater part of our Islands, and also in France and Germany, as much as 1·38 ins. and 1·86 ins. being measured at Carlsruhe and Munich respectively. Snow reported from Scandinavia and Russia.

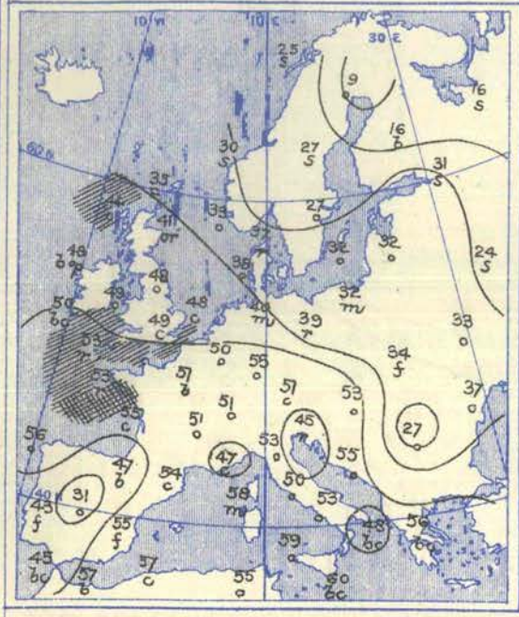
Temperature fallen somewhat over Scotland and Scandinavia, but risen over central and southern Europe. Morning readings highest, 60° at Malta, 59° at Oran, 57° at Barcelona and Palma, 56° at Jersey, and 55° at Scilly and in the west of France. Lowest, —13° at Haparanda, 11° at Ulealborg, 19° at Bodo, and 21° at Moscow and Hernösand; lowest in our Islands 26° at Nairn and Aberdeen. Rising during day to 58° at Scilly and Jersey and to 57° in London. Maxima ranging between 60° and 63° reported from southern Europe, but thermometer reading 70° at Nemours.

Wind mainly South-Westerly or Southerly over France and England, and blowing strongly at the mouth of the English Channel. In Scotland it is light from North and West, and in the south of Ireland Easterly. A complete cyclonic circulation is shewn over the east of Russia and north Germany, while over southern Europe light variable breezes prevail. Wind veering to the Westward on our western and southern coasts later, and increasing to a fresh gale at Scilly and Jersey.

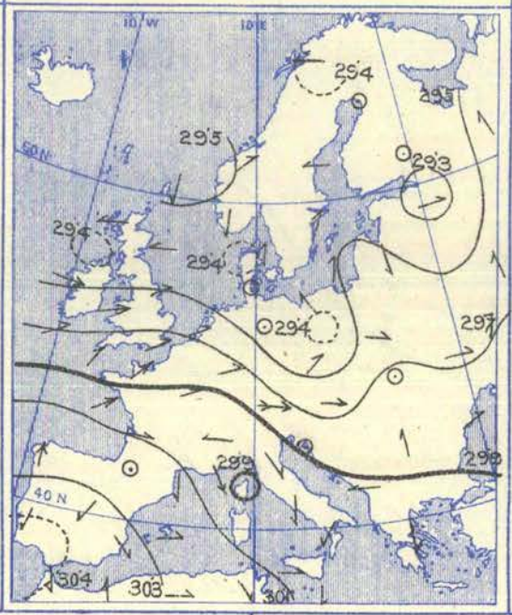
Barometer highest, 30·5 ins. and upwards over central Spain, and 30·2 ins. and upwards over the south of Russia. Lowest, 29·1 ins. and less in a rather deep, well-marked depression over the Gulf of Bothnia, and 29·4 ins. and less in another disturbance off the south of Ireland. Both depressions moving away slowly to the eastward later, that off our south-west coasts increasing in depth.

Thursday, 6th December.

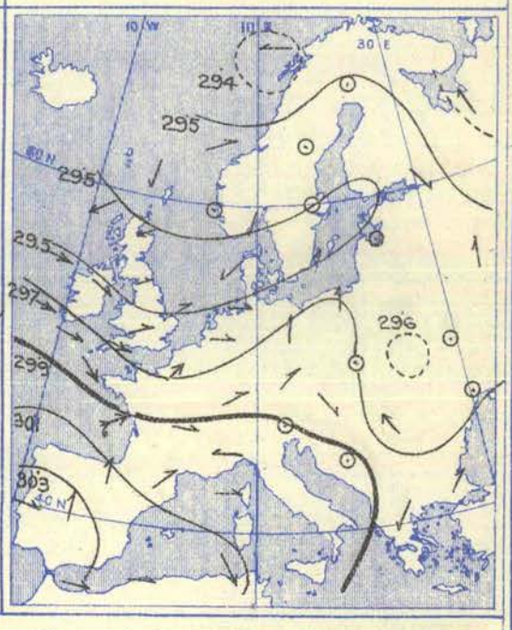
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and changeable over almost the whole of Europe, but especially over the British Islands and their neighbourhood. Rain falling in several parts of our Islands and France, as well as over central Europe; snow in some parts of Sweden and over Russia, Spain, northern Africa, and the other southern parts of the Mediterranean fine and clear. Further falls later over the United Kingdom and France, especially heavy in the south and south-east. Amount at Cape Gris Nez. 2·09 ins.

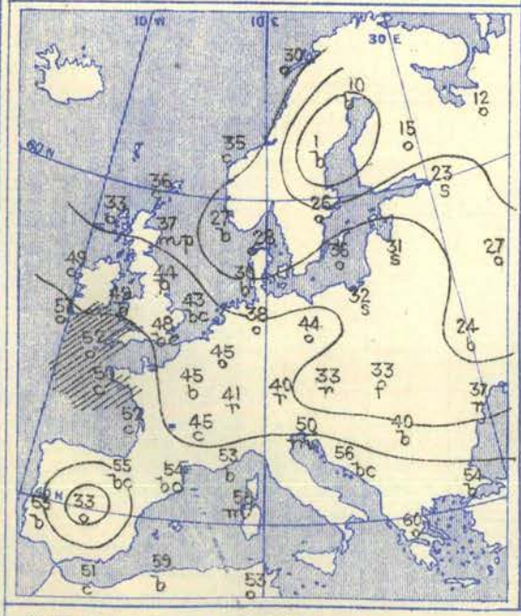
Temperature risen a little in the British Isles and over the Mediterranean. Morning readings highest, 60° at Malta, above 50° at the Mediterranean stations, in France and the southern parts of the United Kingdom. Lowest, 9° Fahr. at Haparanda, much below the freezing point over northern Russia and Lapland, 33° at Skudesnaes, 37° at Nairn. Exceeding 50° in the west and south of our islands later in the day, touching 56° at Jersey, 57° at Paris, 66° at Perpignan, 68° at Algiers, 72° at Funchal.

Wind Westerly over south Germany, France, Ireland and England, and blowing hard at Munich and Belfort, Easterly in Scotland; very variable over the rest of the Continent and the Mediterranean. Subsequently veering towards North-West in the British Isles and becoming Southerly over central Europe.

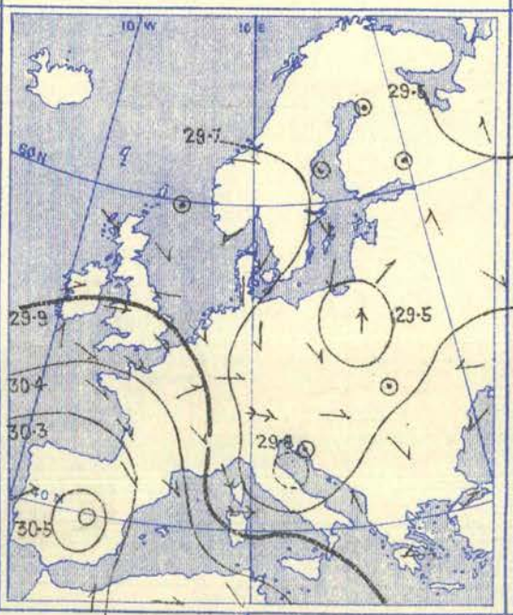
Barometer highest, 30·4 ins. and more to 30·1 ins. over Spain and Morocco. Lowest, 29·38 ins. at Malin Head, below 29·4 ins. over north Germany, below 29·3 ins. near St. Petersburg, and below 29·9 ins. over the Gulf of Genoa. Rising in the west of our Islands during the day, falling in the east, a new depression being developed over our eastern counties and travelling on to Germany.

Friday, 7th December.

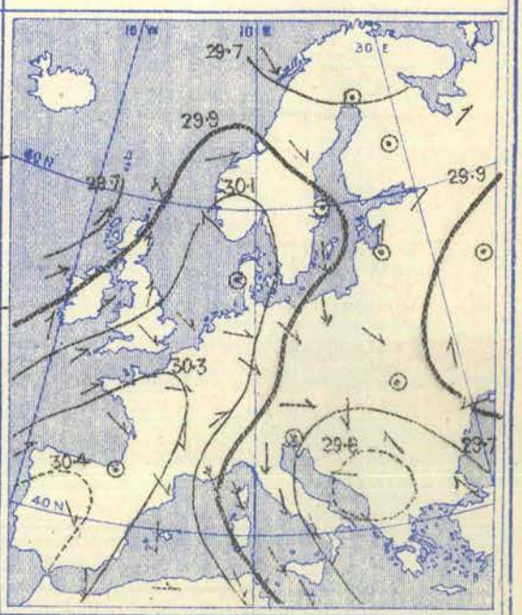
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright, (1) over the greater part of France and south and east of the British Isles; (2) over Sweden, the south of Norway and Denmark; (3) over some parts of Russia and the south-east of Europe. Changeable and cloudy elsewhere, with rain over the east of France, rain and snow in Germany, rain falling later in the west and north of the British Isles and the north-west of Norway—also over Germany; halos seen in many places.

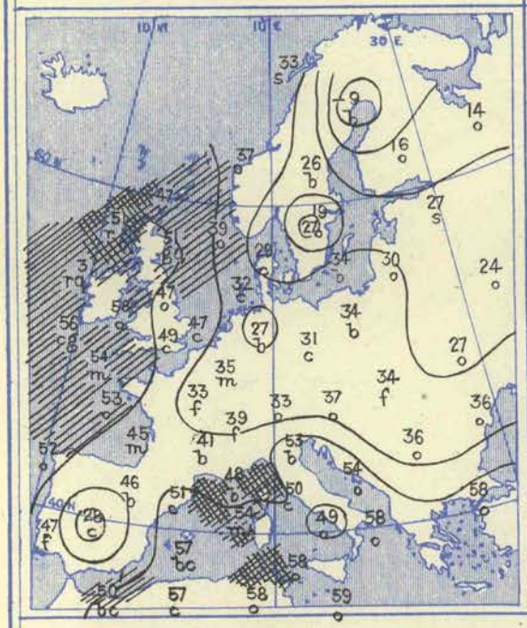
Temperature fallen greatly in Sweden, and less markedly over France and England. Morning readings, 60° at Athens, 59° to 50° at the Mediterranean stations as a whole, 52° to 50° on the west coast of France and the extreme south-western and southern coasts of Ireland and England. Lowest, Fahr. 10° at Haparanda, 12° at Archangel, and below the freezing point over Russia generally and many parts of Scandinavia; (2) 33° at Stornoway, 35° at Nairn, rising later to between 50° and 56° almost all over our Islands, to 60° at Perpignan, 69° at Leghorn and Brindisi, 65° at Madrid.

Wind (1), moderate, but circulating cyclonically round a position over north Germany, Westerly in Corsica, Austria, France, and England, but back to South again at Valencia; (2) anticyclonic over Spain. Backing to the Southward in the west and north-west of our Islands later, and increasing in force.

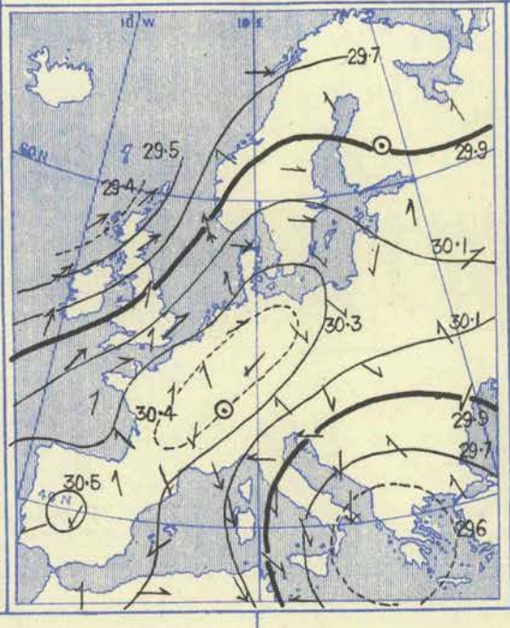
Barometer highest, (1) 30·5 ins. and more to 30·3 ins. over the Spanish Peninsula, 30·1 ins. to 29·8 ins. over our Islands, 29·7 ins. and more over the south of Russia. Lowest, 29·5 ins. and less to 29·6 ins. in a complex disturbance over north Germany; below 29·8 ins. off the north of Scotland, below 29·7 ins. over the north of Italy. Falling later over the British Isles, especially in west, but German depression moving away eastwards towards Russia.

Saturday, 8th December.

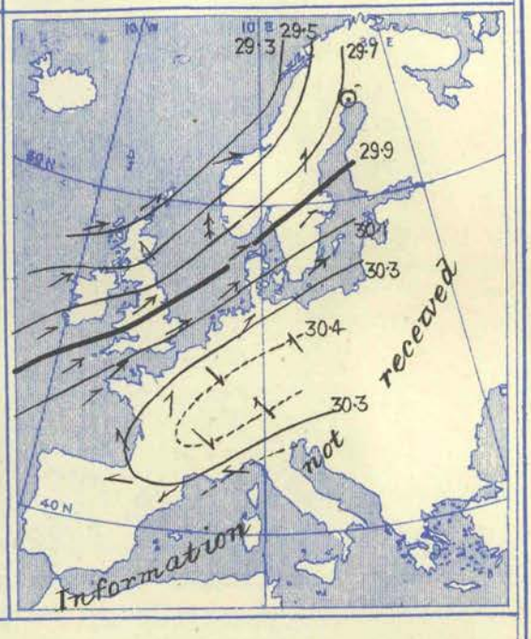
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over Spain, France, and a great deal of Germany, as well as over Sweden, gloomy and unsettled over the British Islands, rough and rainy at many of the western stations. Rain falling later in almost all parts of our Islands, the North Sea, and Scandinavia; none reported from France or Germany.

Temperature rising fast over the British Islands, fallen over France and Central Europe. Morning readings highest, 59° to 55° over the south-eastern half of the Mediterranean, 56° to 50° over all but the eastern part of the British Islands. Lowest, −9° Fahr. at Haparanda, +16° at Kuopio, and much below the freezing point over nearly the whole of Russia; 29° at the Scaw, 27° at Cuxhaven, 31° at Berlin. Rising later to between 55° and 58° at almost all stations in our Islands, to 57° at Lorient, 61° at Nice, and changing rather irregularly.

Wind (1) Southerly to South-South-Westerly all over the British Islands, Southerly to South-Easterly in the west of Norway, and blowing very strongly at our western ports and at Skudesnaes; (2) mainly Northerly to North-Westerly over central Europe and the northern part of the Mediterranean. Veering to South-West over the United Kingdom later and blowing a gale in certain western regions.

Barometer highest, 30·5 ins. to 30·3 ins. over Spain, 30·4 ins. and more to 30·3 ins. over France and north Germany. Lowest, (1) 29·4 ins. to 29·6 ins. in the north-west and north of our Islands; (2) 29·6 ins. and less over Greece and Turkey. Falling over the United Kingdom and Scandinavia during the day, as the depression in the north-west moved north-eastwards.

GENERAL NOTES.

At the commencement of this week pressure was highest over south-western and central Europe, the Baltic and Scandinavia. There were small depressions over the south of Russia and the Bosphorus, and a very shallow ill-defined one over the Mediterranean, while a new system was approaching Ireland from the Atlantic. The disturbances over south-eastern Europe dispersed rapidly, but the new one in the west advanced north-eastwards and eastwards, accompanied by a great rise of temperature, reached the North Sea by Tuesday morning, and growing much deeper, was found near Copenhagen by the evening, and Memel on Wednesday.

In the meantime a new shallow disturbance approached our north-west coasts, and others followed a little further south, one reaching the south of Ireland by Wednesday morning, and the mouth of the Skager Rack by Thursday, and so on through nearly the whole of the week depressions developed and were filled up again over the northern countries, causing South-Westerly to North-Westerly winds, which at times blew strongly, frequent rain and considerable changes of temperature, which, however, was as a rule much higher than the average. Over nearly the whole of Europe the weather was greatly disturbed, and a great deal of rainfall was reported.

At the close of the week conditions were very similar to those noticed at the commencement, except that the depression then prevailing in the north-west was much larger than those which preceded it.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 290.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	4·9	?	11	?	WORTHING	2·8	?	5	?
STRATHPEFFER SPA	7·4	+ 0·2	16	0	BOGNOR	2·2'	?	4*	?
EDINBURGH	2·5	− 4·5	5	−9	WATERGATE (Emsworth)	2·0	?	4	?
MORPETH	2·2	?	4	?	WESTBOURNE (Emsworth)	2·6*	− 8·1	5*	−15
NEWCASTLE-ON-TYNE	3·5	?	7	?	VENTNOR HOSPITAL		?		?
OSWALDKIRK (Yorkshire)	4·3	− 4·7	8	− 9	SOUTHPORT	1·1	?	2	?
YORK					RHYL	5·0*	?	9*	?
LOWESTOFT	2·6	?	5	?	COLWYN BAY	2·0	?	4	?
HOLLESLEY BAY	3·0	?	6	?	ABERDOVEY	4·0*	?	8*	?
SHEFFIELD	2·2	?	4	?	TENBY	1·7	− 8·8	3	−17
WORKSOP	1·5	− 6·7	3	−13	BATH	0·0	?	0	?
THURCASTON (Leicestershire)	0·8	− 7·5	2	−13	NEWQUAY	2·9	− 8·9	5	−16
MARGATE	1·5	−10·2	3	−17	TORQUAY	5·8*	− 6·5	10*	− 8
EASTBOURNE	4·5	− 7·3	8	−14	GUERNSEY				
BRIGHTON	3·8	− 7·2	7	−14					

* The values at Rognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Oct. 13th, 1900	Rhyl	—	—	—	—	—	—	—	—	—	—	—	26·7	?	35	?
" " " "	Newquay	—	—	—	—	—	—	—	—	—	—	—	29·0	+ 0·5	38	+ 1
" " " 20th, "	Churchstoke	59	34	51·6	38·9	45·1	− 1·7	35	9	6	0·25	− 0·55	27·9	+ 6·9	39	+ 11
" " " 27th, "	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	15·2	− 1·9	22	− 3
" " " " "	Newquay	—	—	—	—	—	—	—	—	—	—	—	23·7	− 0·3	34	− 1

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 50.] *Third Series* — WEEK ENDING SATURDAY, DECEMBER 15TH, 1900. — [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 296.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	54	37	49·6	41·1	45·5	7 above	28	+19	3	−23	2115	+153	791	+ 14
	1. SCOTLAND, EAST	58	33	50·6	40·9	45·9	9 above	32	+24	3	−30	2273	− 77	864	+ 24
	2. ENGLAND, N.E.	58	36	52·2	43·4	48·0	10 above	42	+31	0	−26	2733	+171	565	−107
	3. ENGLAND, EAST	58	33	51·9	41·4	46·9	8 above	37	+25	2	−28	3233*	+273	571	−190
	4. MIDLAND COUNTIES	60	29	51·8	42·5	47·3	9 above	37	+25	0	−30	3037	+105	628*	−155
	5. ENGLAND, SOUTH	56	30	52·2	43·9	48·2	8 above	43	+24	0	−19	3438	+186	407	−155
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	56	40	51·8	45·0	48·5	9 above	46	+32	0	−21	2570	+ 68	567	− 14
	7. ENGLAND, N.W.	58	38	52·0	45·0	48·7	9 above	47	+32	0	−20	2876	+ 82	485	− 65
	8. ENGLAND, S.W.	58	30	52·4	44 3	48·5	7 above	46	+23	0	−14	3242	+159	373	− 44
	9. IRELAND, NORTH	56	37	51·4	43·0	47·4	7 above	38	+24	0	−20	2704	+ 71	483	− 15
	10. IRELAND, SOUTH	57	32	52·9	44·6	48·9	6 above	48	+25	0	−15	3157	+132	423	+ 44
	—CHANNEL ISLANDS	56	42	54·6	47·5	51·2	6 above	64	+28	0	− 4	4077	+484	97	− 62

Rainfall. — Bright Sunshine.

	DISTRICTS. (See p. 296.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	42	28 more	246	+11	52·4	+ 4·6	3	− 2	7	− 5	1084	+ 39	25	+ 1
	1. SCOTLAND, EAST	6	11	4 ,,	213	+22	35·5	+ 4·8	10	+ 3	21	+ 6	1148	−113	27	− 2
	2. ENGLAND, N.E.	2	1	5 less	182	+ 2	29·3	+ 3·8	11	0	22	0	1193	− 66	28	− 1
	3. ENGLAND, EAST	3	2	3 ,,	180	+ 3	23·6	− 1·4	9	− 3	17	− 4	1650	+ 63	37	+ 2
	4. MIDLAND COUNTIES	3	2	4 ,,	175	+ 2	27·3	− 0·1	8	− 1	15	− 3	1378	+ 73	33	+ 1
	5. ENGLAND, SOUTH	5	4	2 ,,	165	− 4	25·9	− 2·2	6	− 5	12	− 9	1711	+107	39	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	6	25	12 more	225	+24	58·0	+ 7·4	5	− 2	11	− 3	1289	− 39	30	− 1
	7. ENGLAND, N.W.	4	6	2 less	192	+ 4	37·0	+ 3·1	11	+ 1	21	+ 3	1479	+112	33	+ 2
	8. ENGLAND, S.W.	5	7	3 ,,	201	+ 9	42·1	+ 2·5	9	− 2	17	− 4	1720	+ 93	40	+ 2
	9. IRELAND, NORTH	6	8	0 (average)	230	+12	39·0	+ 4·6	10	+ 1	20	+ 2	1393	+ 52	30	+ 1
	10. IRELAND, SOUTH	5	5	3 less	206	+ 8	44·0	+ 6·7	11	0	21	0	1438	+ 16	33	0
	— CHANNEL ISLANDS	4	5	4 ,,	206	+ 2	32·5	+ 0·1	10	− 5	18	− 9	1912	+ 96	46	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather continued extremely mild and unsettled in all parts of the Kingdom. Very heavy rain was experienced over Scotland and considerable amounts in the north of Ireland and the west of England. Over southern, central, and eastern England, however, the weather was frequently fair, and the rainfall slight. Thunder and lightning occurred in the north of Scotland towards the end of the period.

Temperature was unusually high for the time of year, being 6° above the mean in Ireland S. and the Channel Islands, from 7° to 9° above in most other districts, and as much as 10° above in England N.E. The highest of the maxima were registered either on the 11th or 12th, when the thermometer rose to 60° in the Midland counties, and to between 56° and 58° in nearly all other parts of the Kingdom. The maximum readings recorded at Bawtry and Marchmont (60° and 58° respectively) were higher than any registered at those stations during any December since the records commenced. The lowest of the minima occurred on rather irregular dates, and ranged from 29° in the Midland counties and 30° in England S. and S.W. to 40° in Scotland W., and to 42° in the Channel Islands.

Rainfall greatly exceeded the mean in Scotland, and just equalled it in Ireland N., but elsewhere the fall was less than the normal. In Scotland N. the fall was three times and in Scotland W. twice as much as the mean value. At Fort William the total fall for the week amounted to 8·54 ins.

Bright Sunshine was deficient generally, but slightly exceeded the mean in some isolated parts of the Kingdom. The percentage of the possible duration ranged from 22 in England N.E. to 12 in England S. and to 7 in Scotland N.

Barometer and Wind.—The distribution of pressure during this period was very simple. Over the Continent to the Southward or South-Eastward of our Islands there was a large anticyclone which remained almost stationary, while large and rather deep depressions following each other in quick succession skirted our western and northern coasts, their secondaries occasionally passing eastwards or north-eastwards over Ireland and England. Strong Southerly and South-Westerly winds were consequently very general in the west and north, and at times increased to a fresh or strong gale ; in the south and east, however, the winds did not often rise beyond a fresh or strong breeze.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 295 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week.			Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees).		Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
				Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42° F.	Below 42° F.							
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	50	39	48·3	43·1	45·8	+ 6·2	27	0	7	2·14	+ 1·14	*	*	*	*
	Stornoway	52	38	49.9	40·6	45·4	+ 6·1	30	4	7	4·53	+ 3·25	2·6	- 3·0	6	- 7
	Wick	53	37	49·7	39·9	45·0	+ 6·9	30	6	7	0·70	- 0·03	*	*	*	*
	Lairg Ⓢ	52	37	49·5	39·1	44·5	+ 7·7	30	8	7	2·48	+ 1·62	*	*	*	*
	Glencarron	53	38	49·5	40·7	45·3	+ 8·4	29	4	7	5·54	+ 3·32	*	*	*	*
	Fort Augustus Ⓢ	53	38	50·1	40·6	45·5	+ 7·3	30	4	7	5·11	+ 3·99	0·3	- 1·2	1	- 3
	Fort William Ⓢ	54	41	50·5	43·7	47·2	+ 7·8	36	0	7	8·54	+ 6·45	0·0	- 2·3	0	- 6
1. SCOTLAND, E.	Nairn	54	37	50·3	40·6	45·7	+ 7·8	32	4	7	1·25	+ 0·78	*	*	*	*
	Aberdeen	54	38	49·7	42·1	46·1	+ 8·2	29	0	2	0·18	- 0·54	19·4	+10·4	42	+22
	Braemar Ⓢ	54	35	50.2	38·2	44·2	+ 9·5	31	11	7	2·23	+ 1·54	0·0†	- 4·8†	0†	-10†
	Ochtertyre Ⓢ	53	39	49·7	42·0	46·0	+ 8·8	28	0	7	1·73	+ 0·78	*	*	*	*
	Leith	56	38	52·0	43·0	47·7	+ 8·3	40	0	6	0·65	+ 0·19	*	*	*	*
	Marchmont Ⓢ	58	33	51·4	39·4	45·6	+ 8·8	36	7	5	0·46	- 0·28	9·5	+ 1·7	20	+ 3
2. ENGLAND, N.E.	Alnwick Castle	57	39	52·9	43·2	48·2	+ 9·6	43	0	2	0·26	- 0·46	*	*	*	*
	Durham	54	39	51·9	43·8	48·0	+10·4	42	0	3	0·03	- 0·58	12·8	+ 3·0	26	+ 6
	Shields	58	42	53·0	44·9	49·1	+10·2	50	0	1	0·01	- 0·52	*	*	*	*
	Scarborough Ⓜ	54	41	52·4	43·6	48·2	+ 9·1	43	0	2	0·16	- 0·45	4·0	?	8	?
	Spurn Head	53	40	51·3	42·9	47·3	+ 8·0	37	0	0	–	- 0·47	*	*	*	*
	Fulbeck (Lincolnshire)	55	36	51·9	41·8	47·1	+10·9	37	1	2	0·11	?	*	*	*	*
3. ENGLAND, E.	Hillington Ⓜ	54	33	51·1	40·1	45·9	+ 8·1	35	5	5	0·29	- 0·20	6·0	- 3·1	12	- 6
	Yarmouth	54	37	51·1	41·4	46·4	+ 7·8	33	2	3	0·21	- 0·39	*	*	*	*
	Geldeston	57	36	52·2	41·1	46·9	+ 8·0	38	3	2	0·17	- 0·33	8·5	- 2·6	16	- 6
	Cambridge	58	35	53·9	41·5	48·0	+ 9·8	44	1	3	0·03	- 0·37	7·5	- 2·4	14	- 5
	Felixstowe	54	38	51·1	42·9	47·2	+ 7·7	36	0	2	0·17	?	14·8†	?	28†	?
	Rothamsted	54	34	52·1	41·4	47·0	+ 8·8	37	2	5	0·33	- 0·22	7·6	- 2·1	14	- 4
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	60	36	53·0	43·0	48·2	+10·2	43	0	2	0·16	- 0·32	*	*	*	*
	Loughborough	58	37	52·6	44·0	48·5	+ 9·8	46	0	2	0·06	- 0·44	*	*	*	*
	Cheadle Ⓜ	55	34	50·5	39·9	45·4	+ 8·2	33	6	3	0·37	- 0·33	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	55	37	51·2	41·8	46·7	+ 8·7	34	1	2	0·11	- 0·37	10·5	?	20	?
	Churchstoke Ⓜ	55	35	51·5	42·4	47·1	+ 8·5	36	0	6	0·23	- 0·47	10·9	+ 2·4	21	+ 4
	Hereford (Belmont) Ⓜ	57	35	53·1	43·4	48·4	+ 9·2	45	0	5	0·19	- 0·36	*	*	*	*
	Cirencester	53	29	50·3	41·6	46·1	+ 8·1	30	1	3	0·23	- 0·39	3·0	- 6·0	6	-11
	Oxford	55	36	52·3	43·9	48·3	+ 9·1	44	0	3	0·13	- 0·37	3·8	- 5·4	7	-11
5. ENGLAND, S.	London	56	37	52·9	43·4	48·3	+ 8·6	44	0	2	0·25	- 0·23	3·3†	- 1·5†	6†	- 4†
	Swarraton (Alresford) Ⓜ	54	30	51·4	41·2	46·5	+ 7·7	35	2	7	0·49	?	*	*	*	*
	Dungeness	54	40	53·0	45·1	49·2	+ 8·1	50	0	5	0·24	- 0·41	6·8	?	12	?
	Hastings (St. Leonards)	53	40	51·9	44·7	48·4	+ 7·1	45	0	5	0.55	- 0·12	6·9	- 6·0	13	-10
	Southampton	55	37	53·0	43·4	48·4	+ 7·7	45	0	6	0·51	- 0·20	3·3	- 7·9	6	-15
	Portland Bill	54	42	53·1	45·9	49·6	+ 7·5	53	0	6	0·50	?	*	*	*	*
	Shaftesbury Ⓜ	52	39	50·3	43·6	47·1	+ 9·7	36	0	7	0·43	- 0·27	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	42	52·2	45·6	49·0	+ 8·4	49	0	7	5·11	+ 3·01	*	*	*	*
	Glasgow	53	42	50·4	44·0	47·3	+ 9·1	37	0	7	1·81	+ 0·91	3·8	+ 0·1	8	0
	Glenlee Ⓢ	55	40	52·4	44·5	48·6	+10·6	46	0	6	2·70	+ 1·28	*	*	*	*
	Douglas (Isle of Man)	54	43	52·1	46·0	49·2	+ 7·1	50	0	3	0·49	- 0·54	6·9	- 3·1	14	- 6
7. ENGLAND, N.W.	Newton Reigny	54	40	50·6	43·9	47·4	+10·9	38	0	5	1·22	?	9·7	?	20	?
	Stonyhurst	53	39	50·9	43·9	47·5	+ 8·8	39	0	6	0·94	- 0·13	4·6	- 2·3	9	- 4
	Blackpool Ⓜ	55	43	52·4	45·6	49·1	+ 9·5	50	0	4	0·69	- 0·03	8·2	+ 2·6	16	+ 4
	Manchester (Prestwich)	54	38	51·6	43·3	47·6	+ 9·2	39	0	3	0·63	- 0·19	3·6	?	7	?
	Liverpool Obsy. (Bidston)	56	41	52·4	45·7	49·2	+ 9·1	50	0	2	0·12	- 0·49	15·1	?	29	?
	Llandudno Ⓜ	58	43	54·6	46·5	50·7	+ 8·4	61	0	3	0·29	- 0·41	11·9	+ 4·8	22	+ 8
	Holyhead	53	43	51·7	46·3	49·1	+ 5·2	50	0	3	0·31	- 0·54	*	*	*	*
8. ENGLAND, S.W.	Llandovery	54	30	52·3	40·1	46·4	+ 7·6	39	5	6	1·29	+ 0·07	*	*	*	*
	Pembroke	53	46	52·6	49·0	50·9	+ 6·6	62	0	4	0·68	- 0.23	11·4	+ 1·4	22	+ 1
	Clifton	55	38	52·0	44·9	48·6	+ 8·6	46	0	4	0.39	- 0·32	*	*	*	*
	Arlington (N. Devon)	53	34	50·4	41·7	46·2	+ 6·0	31	1	6	1·05	- 0·29	*	*	*	*
	Cullompton Ⓜ	58	33	53·6	42·5	48·3	+ 8·3	44	0	5	0·23	- 0·56	5·2	- 3·2	9	- 6
	Falmouth	54	42	52·8	45·3	49·2	+ 4·3	50	0	3	0·68	- 0·52	14·6	+ 2·1	26	+ 3
	Plymouth	55	36	53·3	46·3	49·9	+ 6·6	55	0	5	0·52	- 0·37	9·2	- 2·0	16	- 5
9. IRELAND, N.	Malin Head	52	42	50·3	44·4	47·5	+ 5·6	39	0	7	0·72	?	*	*	*	*
	Londonderry	56	40	52·0	41·7	47·1	+ 6·9	37	1	7	1·30	+ 0·37	*	*	*	*
	Edenfel (Omagh)	55	37	50·6	42·1	46·5	+ 8·5	32	0	7	1·00	+ 0·19	*	*	*	*
	Blacksod Point	55	43	52·4	45·4	49·0	+ 5·9	49	0	7	1·48	?	*	*	*	*
	Markree Castle	55	37	51·3	42·8	47·2	+ 7·8	36	0	5	0·62	- 0·33	8·8	+ 0·3	17	0
	Armagh	55	39	52·5	42·3	47·6	+ 8·7	39	0	5	0·33	- 0·28	11·6	+ 2·8	23	+ 5
	Donaghadee	55	37	50·7	42·3	46·7	+ 4·9	33	0	4	0·10	- 0·54	*	*	*	*
10. IRELAND, S.	Dublin	57	41	54·0	45·4	49·9	+ 8·5	55	0	3	0·13	- 0·37	14·7	+ 2·5	28	+ 4
	Parsonstown	55	36	52·1	43·0	47·7	+ 7·8	40	0	4	0·29	- 0·43	9·7	- 1·3	19	- 2
	Kilkenny	55	32	51·9	40·6	46·5	+ 5·3	37	4	5	0·31	- 0·40	*	*	*	*
	Roche's Point	53	41	52·3	46·3	49·4	+ 5·2	52	0	4	0·50	- 0·67	*	*	*	*
	Valencia	56	42	53·4	46·4	50·0	+ 4·5	56	0	7	0·71	- 0·59	8·6	- 1·4	16	- 4
	Killarney	56	38	53·4	45·6	49·7	+ 6·5	54	0	7	1·15	?	*	*	*	*
	Foynes	57	40	53·5	44·9	49·4	+ 7·2	52	0	4	0·70	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	43	54·7	48·1	51·5	+ 4·5	67	0	2	0·36	- 0·55	15·4	?	28	?
	Jersey	56	42	54·4	46·9	50·8	+ 6·7	62	0	6	0·60	- 0·24	8·7	- 5·2	15	-10

Stations marked Ⓜ are in connection with the Royal Meteorological Society, and those marked Ⓢ with the Scottish Meteorological Society.

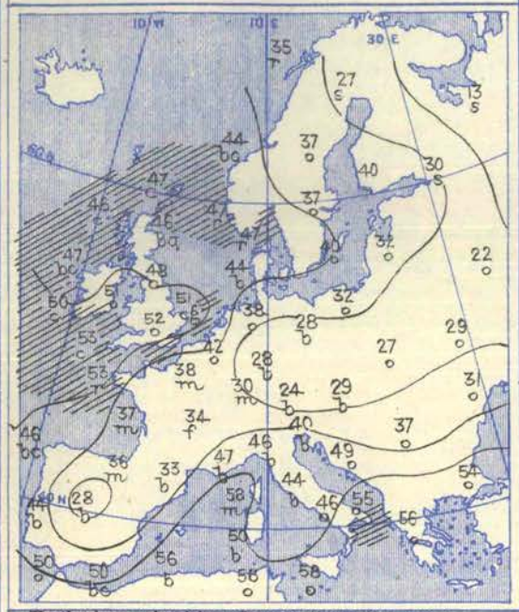
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

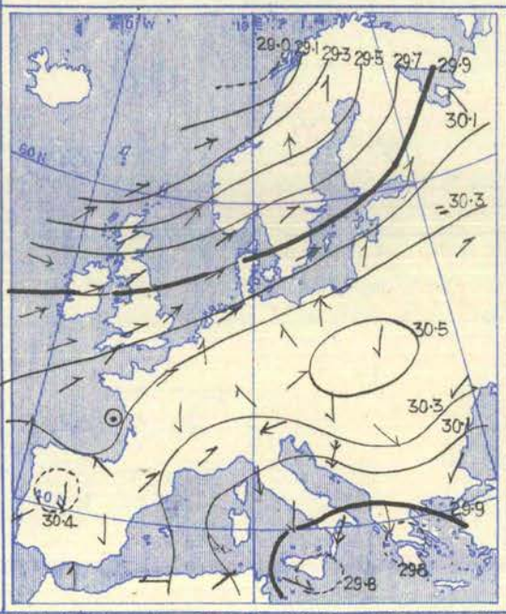
Note.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 9th December.

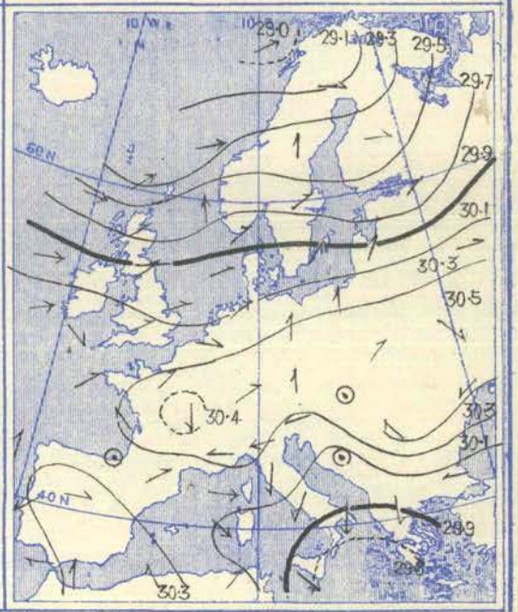
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the United Kingdom generally but dull over the central and southern parts of England with slight rain in places. Fine over central and southern Europe, but dull in other parts of the Continent, with rain over Norway and the Gulf of Finland, and snow in Lapland and northern Russia. Improvement taking place later in the south of England, but rain falling over the Netherlands and the northern parts of France and Germany.

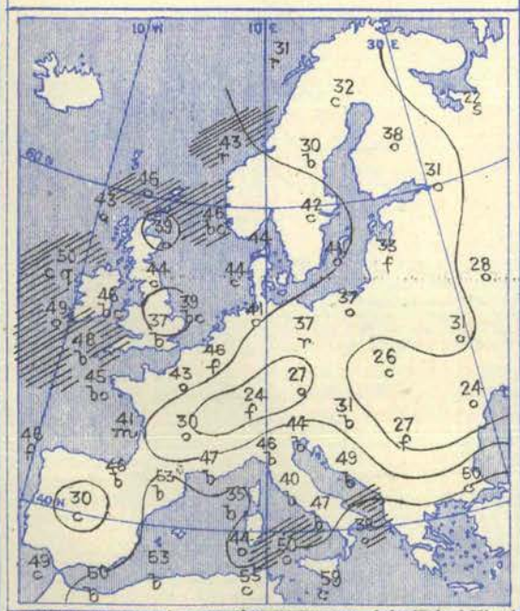
Temperature risen over England, the Netherlands and northern Europe, but fallen elsewhere. Morning readings highest, 60° at Alicante and 58° at Sanguinaire, Malta and La Calle; above 50° at the Mediterranean stations generally and also over all the more southern parts of Great Britain. Lowest, 13° at Archangel, 22° at Moscow and Kharkov, and 24° at Warsaw, Cracow and Munich; below the freezing point in most parts of Russia and Germany. Rising during day to 50° and upwards over England and Ireland, and to 55° in London and at Jersey; exceeding 55° over the southern parts of France and Italy, and exceeding 60° over the Spanish Peninsula.

Wind South-Westerly or Westerly over north-western and northern Europe generally; strong in force on our own extreme north-west coasts and also over Denmark, the south of Scandinavia and the Gulf of Finland, with a gale at Faerder and Helsingfors. Northerly or North-Easterly over the whole of southern Europe, and strong to a gale in force in the Adriatic. Subsequently veering to the North-Westward on our own extreme north-west coasts; no important change occurring elsewhere.

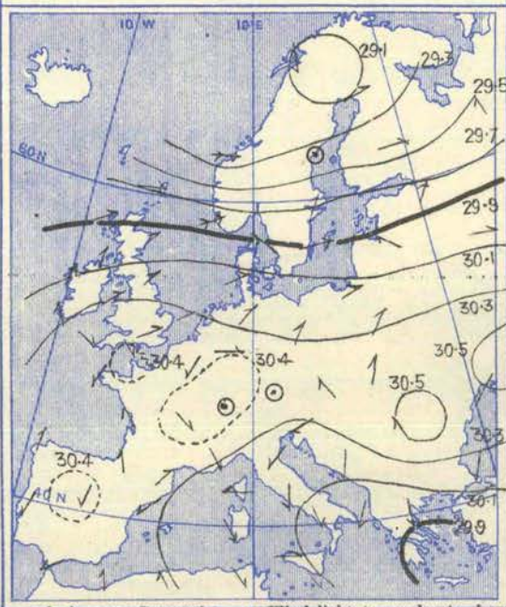
Barometer highest, 30·5 ins. and upwards over Poland and Bohemia; 30·3 ins. and upwards in an anticyclone ly'ng over eastern, central and south-western Europe generally. Lowest, 29·0 ins. and less in a depression lying off the northern parts of the Norwegian coasts; 29·8 ins. and less in two small disturbances lying respectively over Morea and to the southward of Sicily. Norther depression subsequently moving slowly north-eastwards, and barometer rising over north-western Europe generally.

Monday, 10th December.

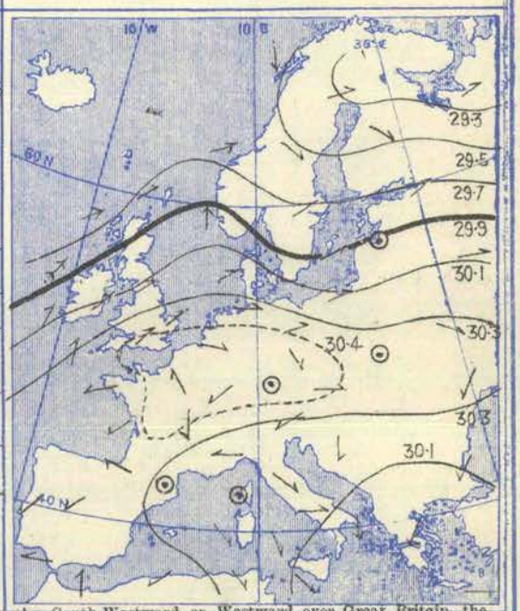
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over the greater part of the United Kingdom and also over Denmark, the south of Norway, the extreme south of France and northern and central Italy. Cloudy or dull in most other parts of Europe, with fog in several parts of Denmark, Belgium, Germany, and central France; rain falling in the west of Norway and also at Memel, Berlin, and Frankfurt and snow at Archangel. Rain falling later in Ireland and Scotland; no important change occurring elsewhere.

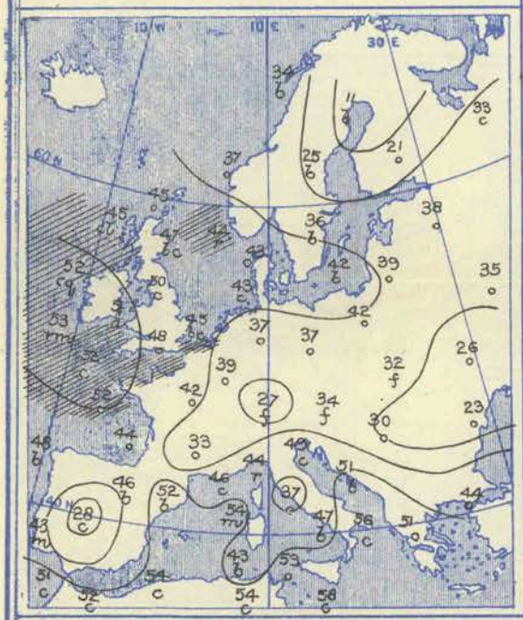
Temperature fallen over our Islands and the greater part of France, as well as in Norway and Austria, risen elsewhere. Morning readings highest, 59° at Malta, 58° at Brindisi, and 57° at Patras; above 50° at several of the Mediterranean stations, and just touching that point at Blacksod Point and Lorient. Lowest, 22° at Archangel and Warsaw, 23° at Vienna and 24° at Munich and Odessa; below the freezing point in most parts of central Europe. Rising during day to 50° and upwards on most parts of our own western and southern coasts, to 55° at Scilly and to 56° at Jersey; exceeding 60° over the Spanish Peninsula, southern Italy and the extreme south of France, and reaching 66° at Sanguinaire.

Wind light to moderate from the South-Westward or Westward over Great Britain, the Netherlands, Denmark, and north Germany, and strong from the same quarters over all the more southern parts of Scandinavia, with a gale on the Norwegian coasts; Southerly in the west of Ireland, and strong in force at Blacksod Point. Light from the Eastward or South-Eastward in the west of France, and from the North-Eastward in Spain; Northerly or North-Westerly over Italy. Fresh to strong gale from the South-Westward blowing at night over Scotland and the north of Ireland.

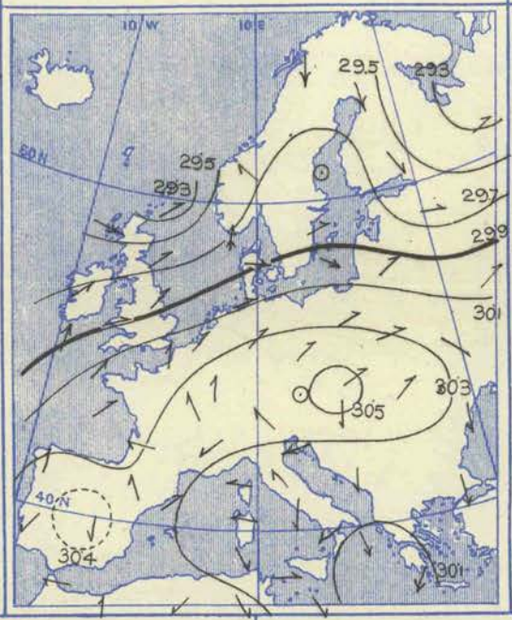
Barometer highest, 30·5 ins. to 30·3 ins. in an anticyclone covering the greater part of central and southern Europe, and extending westwards over England and the south-east of Ireland. Lowest, 29·1 ins. and less in a depression over the north of Scandinavia; 29·9 ins. and less in a shallow system off the coast of Asia Minor. New and rather deep depression appearing later off the Irish coasts and moving north-eastwards at night along the west and north of Scotland.

Tuesday, 11th December.

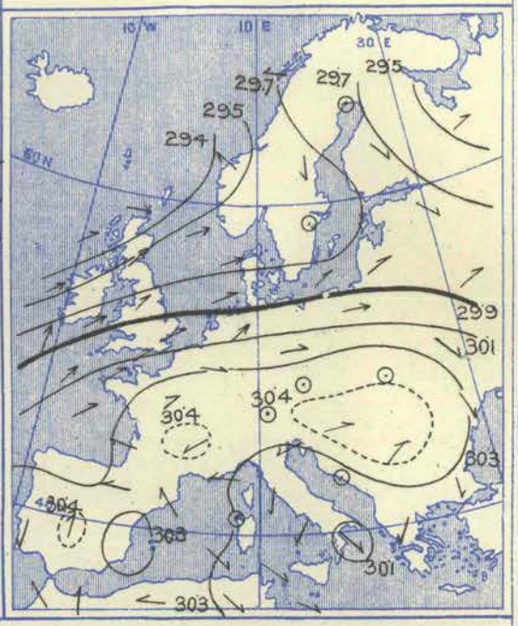
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in the north and east of Great Britain, but cloudy or dull in other parts of the United Kingdom, with rain at several of our south-western stations. Fine in Sweden as well as in the north of Spain, and at several of the Mediterranean stations; cloudy over the Continent generally, with fog over Austria, south Germany and the east of France; rain falling at Skudesnaes and also at Leghorn. Rain falling later over north-western Europe generally—rather heavily in the Shetlands and Hebrides.

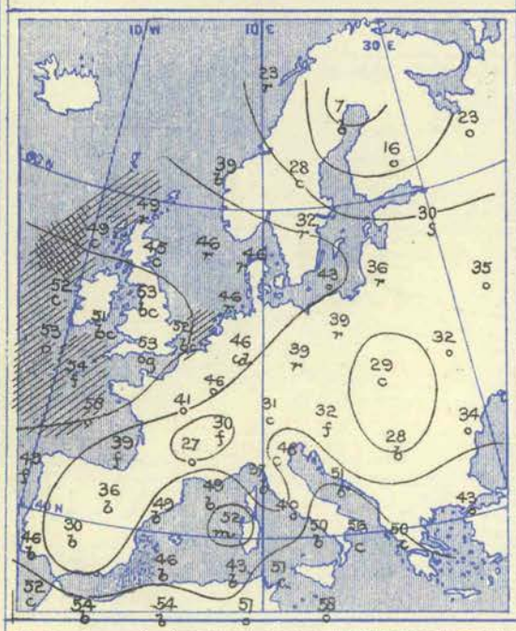
Temperature risen in most countries, but fallen in Scandinavia and Finland. Morning readings highest, 58° at Malta, 56° at Brindisi, and 54° at Sanguinaire, Algiers and La Calle; above 50° at nearly all our own western stations. Lowest, (1) 11° at Haparanda and 17° at Uleaborg; (2) 20° at Kharkov and 21° at Nicolaieff; below the freezing point in some parts of south Germany and central France. Rising during day to 55° or slightly above it at several places in the west and north of our Islands; exceeding 60° over Spain and the southern parts of France and Italy, and reaching 64° at San Fernando and Sanguinaire.

Wind fresh to strong from the Southward or South-Westward over north-western Europe generally, but Westerly in the extreme north of Scotland. Northerly in the north of Scandinavia and North-Westerly in Finland, but South-Westerly over the central parts of Russia. Light from the Eastward in the south of France, North Easterly or Northerly over Italy and the Spanish Peninsula. Subsequently increasing to a gale from the South-Westward on several parts of the Irish and Scotch coasts; no important change occurring elsewhere.

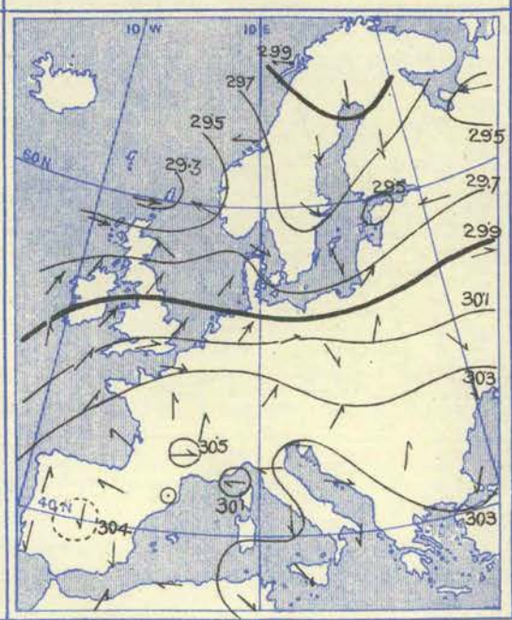
Barometer highest, 30·5 ins. and upwards over Moravia and Silesia; 30·3 ins. and upwards in an anticyclone covering the greater part of central and southern Europe. Lowest, 29·3 ins. and less in two well marked depressions—one with its centre near the Shetlands, and the other over the White Sea. Both depressions moving north-eastwards later, but new disturbances approaching our own north-west coasts in evening.

Wednesday, 12th December.

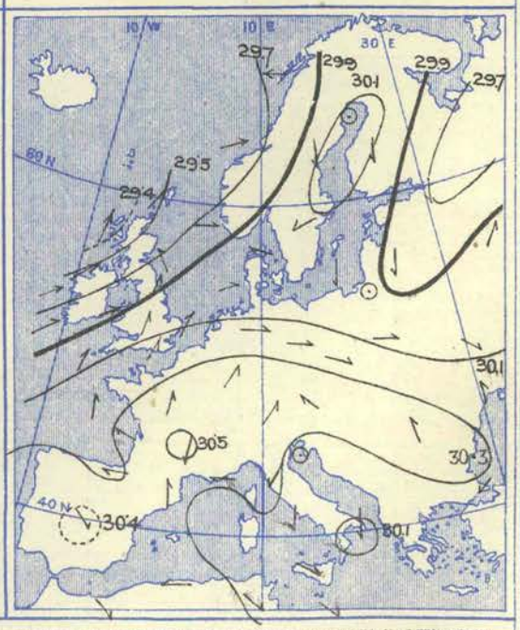
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at most of our own northern and central stations but dull in the south, with rain in a few places and fog at the mouth of the English Channel. Fine over southern Europe, but dull in most other parts of the Continent, with fog in Austria, rain in Denmark, Germany and the south of Scandinavia, and snow at Hangö and St. Petersburg. Rain falling later in the west, south, and extreme north of our Islands generally, and also in Norway; lightning seen at Donaghadee at night.

Temperature risen in our Islands, Denmark and Germany, fallen in most other countries. Morning readings highest (1), 58° at Malta, 56° at Brindisi, and 54° at Alicante and Algiers; (2), 50° to 54° over nearly the whole of England and Ireland. Lowest, 7° at Haparanda, 14° at Uleaborg, 16° at Kuopio and 23° at Archangel; below the freezing point over Austria, south Germany, and the central parts of France and Spain. Rising during day to 55° and upwards in many parts of the United Kingdom, and to 58° at Shields and Loughborough, exceeding 60° at several of the Mediterranean stations and reaching 66° at Cape Bearn.

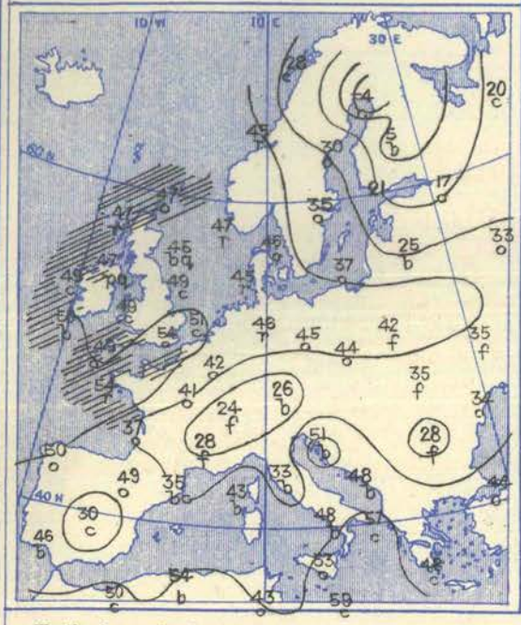
Wind moderate to fresh from the South-Westward over the greater part of the United Kingdom, the Netherlands, Denmark, and Germany, but strong from the Westward in the Shetlands and Hebrides. Easterly or South-Easterly in the west of Norway; Northerly in Sweden and Finland. Light from the Eastward or South-Eastward in the south of France, and from the Northward in Spain and Italy. Subsequently blowing strongly from the South-Westward on many parts of our own western and northern coasts, shifting to the same quarter in the west of Norway.

Barometer highest, 30·5 ins. and upwards to 30·3 ins. in an anticyclone embracing the greater part of central and southern Europe; relatively high, 29·9 ins. and upwards over the north of Scandinavia. Lowest, 29·4 ins. and less in a depression lying off the north of Scotland; 29·5 ins. and less in two other disturbances—one lying over the Gulf of Finland and the other over the extreme north of Russia. Depression off our northern coasts subsequently moving away to the north-eastward, but new disturbance appearing off the north-west of Scotland in evening.

Thursday, 13th December.

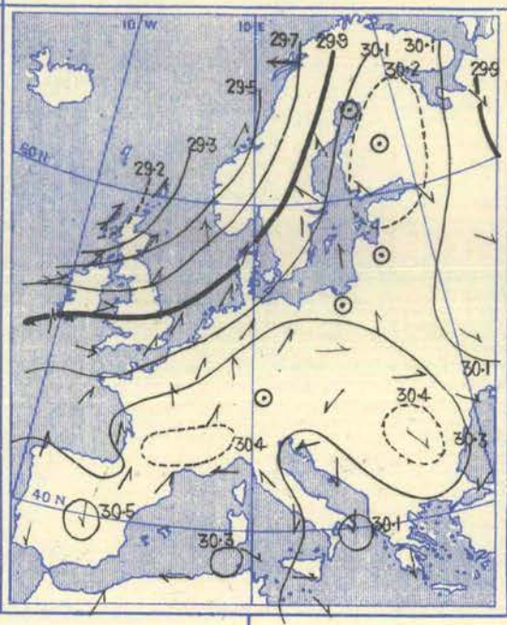
Temperature and Weather.

8 a.m.

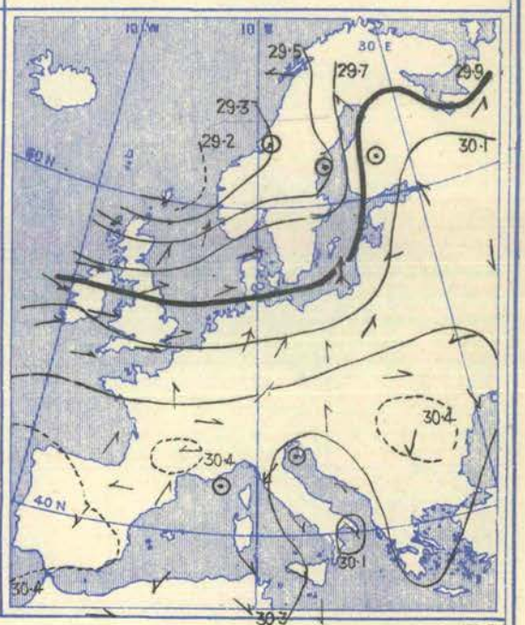


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Ireland and also in the eastern parts of Great Britain, cloudy in other parts of our Islands, with rain in the south of England and also on our extreme north-west coasts. Fine over southern Europe generally, but dull over all the more northern and central parts of the Continent, with fog in several places, and with rain over Holland, Denmark, and the west and south of Norway. Improvement taking place later over our Islands, but rain falling in the northern parts of France and Germany, and snow over Lapland and northern Russia; lightning seen in the north of Scotland at night.

Temperature fallen over the United Kingdom, and also over Denmark and northern Russia, risen elsewhere. Morning readings highest, 59° at Nemours and Malta, and 57° at Brindisi; below 50° at many of the Mediterranean stations, but above that point in the central and southern parts of England. Lowest, −4° Fahr. at Haparanda, + 5° at Kuopio, and 12° at Uleaborg; below the freezing point over the northern parts of Russia and Scandinavia, and also over south Germany and the central parts of France, Spain and Algeria. Rising during day to 50° and upwards in most parts of the United Kingdom.

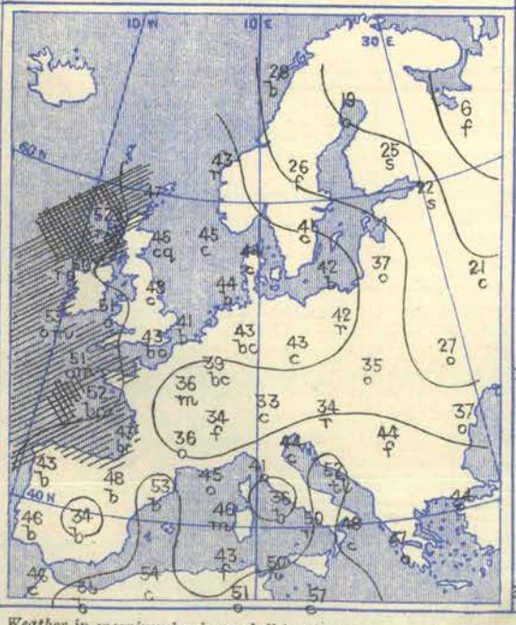
Wind South-Westerly over the United Kingdom, the Netherlands, Denmark and Germany, and strong in force on many parts of our own western and northern coasts, with a gale at Stornoway and Blacksod Point; Southerly or South-Easterly in Scandinavia. Northerly or North-Westerly in Russia and Italy, variable in Austria and also in the extreme south of France. Subsequently veering to the Westward over the whole of our Islands; no important change occurring elsewhere.

Barometer highest, 30·5 ins. and upwards over central Spain; 30·3 ins. and upwards in an anticyclone, covering the greater part of central and southern Europe; ridge extending thence over western Russia and Finland. Lowest, 29·2 ins. and less in a depression lying off the north-west of Scotland. Depression subsequently moving north-eastwards to the Norwegian coasts, and barometer rising in all parts of the United Kingdom.

Friday, 14th December.

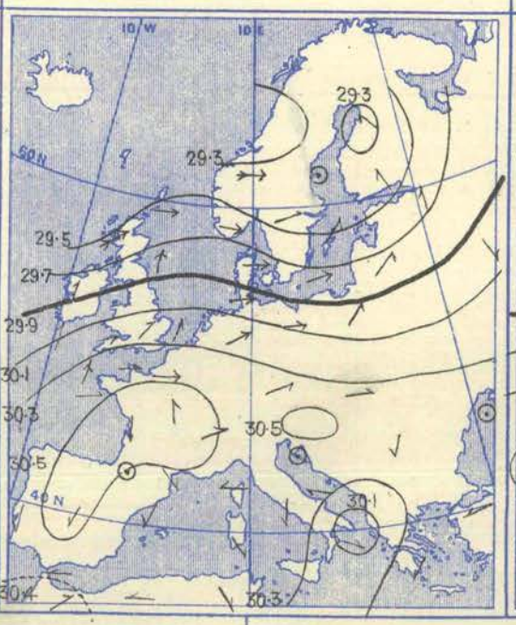
Temperature and Weather.

8 a.m.

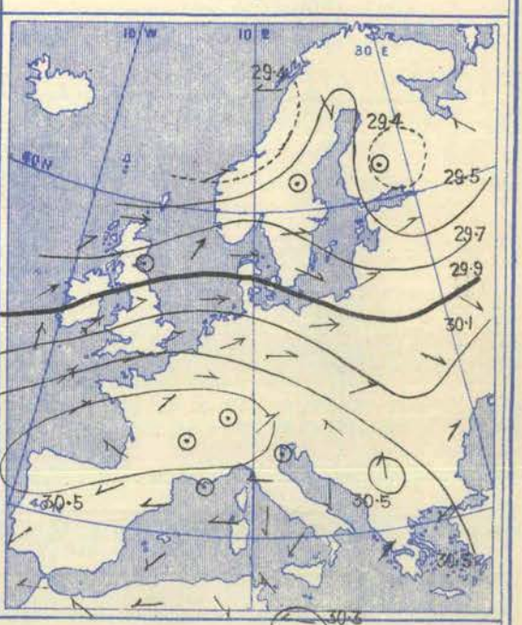


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or dull in all the more western and northern parts of the United Kingdom, with rain in several parts of Scotland and the north of Ireland; fine in the east and south of England, the north of France, the Netherlands, Denmark, and the south of Scandinavia. Fine over southern Europe, but cloudy over all the more central and eastern parts of the Continent, with fog in several places, rain at Memel and Buda-Pesth, and snow in Finland. Rain falling later in the west and north of our Islands generally, and also over northern Russia, and snow at Moscow.

Temperature risen a little in the west and north of our Islands and the south of France, and rapidly in Finland and Lapland, fallen elsewhere. Morning readings highest, (1) 57° at Malta, 55° at Nemours, and 54° at Algiers; (2) 53° at Blacksod Point and Valencia, and 52° at Stornoway, Roche's Point and Pembroke. Lowest, 6° at Archangel, 19° at Haparanda, and 21° at Moscow; below the freezing point over Russia and the north of Scandinavia generally. Rising during day to 50° and upwards in nearly all parts of the United Kingdom and to 55° at Scilly; exceeding 60° at many of the Spanish and Mediterranean stations.

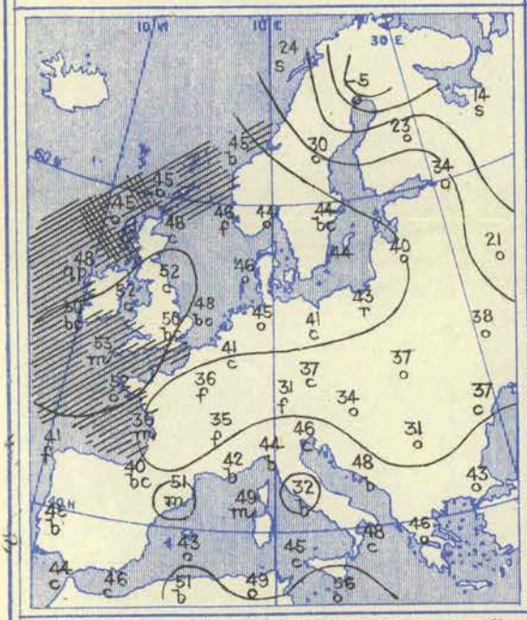
Wind South-Westerly over our Islands generally, and strong in force on many parts of our western and northern coasts, with a gale at Stornoway and Blacksod Point, Westerly over Norway and Denmark, with a gale at Christiansund and the Scaw; South-Westerly over Germany and the Baltic; calm in the Gulf of Bothnia, Northerly or North-Easterly over Spain and northern Italy; Easterly in the extreme south of France. Subsequently increasing to a gale from the South-Westward over the Irish Sea and the St. George's Channel.

Barometer highest, 30·5 ins. and upwards to 30·2 ins. and upwards in an anticyclone, covering central and southern Europe generally, and extending northwards over the greater part of England. Lowest, 29·3 ins. and less in a depression over the west of Norway, and also in a small secondary system over the northern parts of the Gulf of Bothnia. New disturbance approaching our own western coasts in evening

Saturday, 15th December.

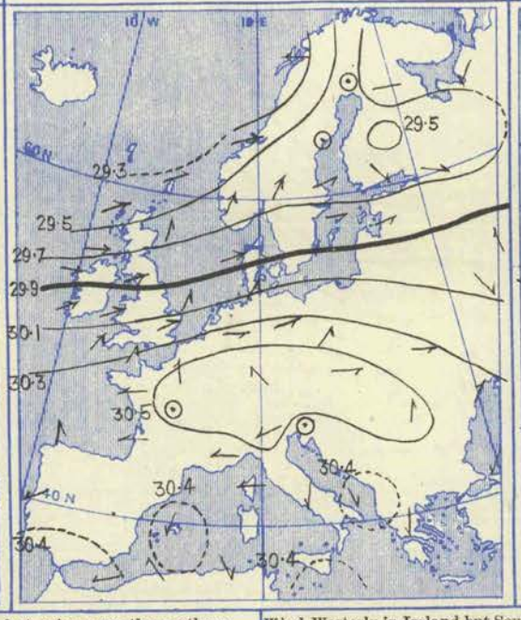
Temperature and Weather.

8 a.m.

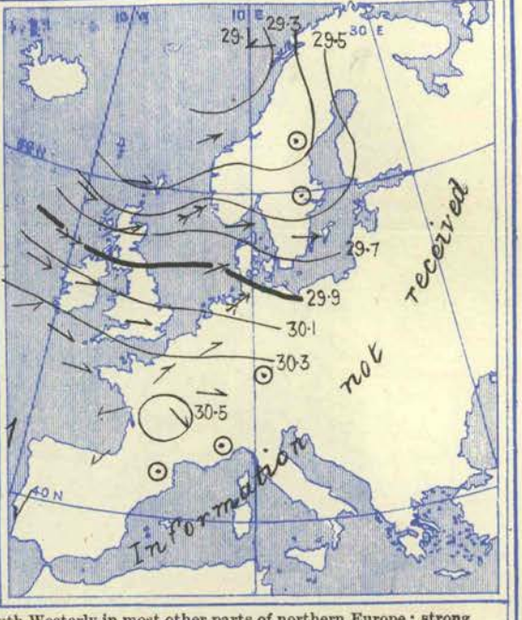


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair over the United Kingdom generally, but rainy over the northern parts of Ireland and England and the extreme south of Scotland. Fine over southern Europe, but dull in the northern, eastern and central parts of the Continent, with fog in many places; rain at Memel and snow at Bodö and Archangel. Rain falling later in many parts of the United Kingdom and also in Scandinavia and Denmark, but amounts mostly slight.

Temperature risen over England and the northern parts of the Continent, changed irregularly elsewhere. Morning readings highest, (1) 56° at Malta and 53° at Toulon; (2) 53° at Pembroke and Scilly; above 50° in many parts of England. Lowest, −5 Fahr. at Haparanda, 11° at Uleaborg and 14° at Archangel; below the freezing point in some parts of south Germany and central France. Rising during day to 50° and upwards in most parts of England and Ireland, and to 55° at Loughborough; exceeding 55° over the Spanish Peninsula and reaching 59° at Corunna.

Wind Westerly in Ireland but South-Westerly in most other parts of northern Europe; strong in force in many parts of our Islands. Light from the Eastward in the west and south of France and northern Italy; variable over southern Italy; Northerly or North-Easterly over the Spanish Peninsula. Subsequently veering to the Westward or North-Westward in all parts of the United Kingdom and blowing with the force of a strong gale in Scotland and the north of Ireland.

Barometer highest, 30·5 ins. and upwards over Austria, south Germany and eastern and central France; 30·3 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 2·3 ins. and less in a large depression lying to the northward of our Islands and the westward of Norway. Depression subsequently moving eastwards and barometer rising in most parts of the United Kingdom.

GENERAL NOTES.

Throughout nearly the whole week a large anticyclone lay over central and southern Europe, the only exception occurring at the very commencement of the time when some depressions moved eastwards over the central parts of the Mediterranean and occasioned heavy rain in Greece. At other times the weather in the southern countries was mostly fine, but over central Europe it was cloudy, cold, and in many places foggy.

In the north-western countries the conditions were affected by a series of cyclonic disturbances which skirted our own extreme north-western and northern coasts and which afterwards passed on to Scandinavia and northern Russia. The weather in these regions was therefore very changeable, with frequent gales in the west and north of our Islands, the South-Westerly gale of the 10th and 11th, and the North-Westerly gale of the 15th being rather severe in some parts of Scotland and the north of Ireland. Rain was frequent over the United Kingdom and extremely heavy in the west of Scotland; in the eastern and southern districts, however, the amount was slight. Temperature was very high for the time of year, the daily maximum readings in our Islands being often above 50° and in some cases well above 55°.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 296.

STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	6·8	?	16	?	WORTHING	6·2	?	11	?
STRATHPEFFER SPA	4·8	− 2·4	11	− 5	BOGNOR	7·7*	?	14*	?
EDINBURGH					WATERGATE (Emsworth)	4·8	?	9	?
MORPETH	16·0	?	33	?	WESTBOURNE (Emsworth)	8·0*	− 2·9	15*	− 5
NEWCASTLE-ON-TYNE	10·6	?	22	?	VENTNOR HOSPITAL	7·7	?	14	?
OSWALDKIRK (Yorkshire)					SOUTHPORT	11·2	?	22	?
YORK					RHYL	*	?	*	?
LOWESTOFT	8·3	?	16	?	COLWYN BAY	16·5	?	32	?
HOLLESLEY BAY		?		?	ABERDOVEY	15·3*	?	29*	?
SHEFFIELD	9·8	?	19	?	TENBY	10·3	0·0	19	0
WORKSOP	7·1	− 0·7	14	− 1	BATH	3·1	?	6	?
THURCASTON (Leicestershire)	8·2	+ 1·0	16	+ 2	NEWQUAY				
MARGATE	9·1	− 2·0	17	− 3	TORQUAY	11·5	− 0·2	21	− 1
EASTBOURNE	6·9	− 5·1	13	−10	GUERNSEY	5·6*	− 4·6	10*	− 8
BRIGHTON	4·4	− 6·6	8	−13					

* The values at Rognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°							
Week ending Nov. 10th, 1900	Colwyn Bay	—	—	—	—	—	—	—	—	—	—	—	10·2	?	16	?
,, ,, ,, 24th, ,,	Dungeness	—	—	—	—	—	—	—	—	—	—	—	5·9	?	10	?
,, ,, ,, ,, ,,	Ventnor Hospital	—	—	—	—	—	—	—	—	—	—	—	16·2	?	27	?
,, ,, ,, ,, ,,	Newquay	—	—	—	—	—	—	—	—	—	—	—	30·2	+14·2	50	+ 3
,, ,, Dec. 1st, ,,	Churchstoke	51	35	46·6	40·0	43·3	+ 3·3	18	6	6	0·92	+0·18	12·1	+ 2·5	22	+ 5

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

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VOL. XVII. No. 51.] *Third Series*

WEEK ENDING SATURDAY, DECEMBER 22ND, 1900.

[*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 302.)	Observed during the Week.					Above or below the Mean for the Week.	Accumulated.							
				Averages of				For the Week.				From December 31st, 1899.			
		Highest.	Lowest.	Daily Maxima.	Daily Minima.	Daily Mean.		Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	33	48·5	39·5	44·2	6 above	26	+19	7	−23	2141	+172	798	− 9
	1. SCOTLAND, EAST	57	31	48·5	38·3	43·6	7 above	27	+21	10	−28	2300	− 56	874	− 4
	2. ENGLAND, N.E.	57	33	49·0	39·6	44·5	7 above	28	+20	7	−25	2761	+191	572	−132
	3. ENGLAND, EAST	55	30	48·8	36·8	43·0	5 above	29	+20	15	−22	3262	+293	586	−212
	4. MIDLAND COUNTIES	60	29	48·9	37·4	43·3	6 above	28	+18	13	−24	3065	+123	641	−179
	5. ENGLAND, SOUTH	55	27	50·2	39·2	44·9	5 above	32	+17	8	−19	3470	+203	415	−174
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	55	32	49·8	40·8	45·5	6 above	30	+18	3	−21	2600	+ 86	570	− 35
	7. ENGLAND, N.W.	62	31	49·4	41·0	45·4	6 above	28	+16	3	−22	2904	+148	488	− 87
	8. ENGLAND, S.W.	57	28	50·7	40·1	45·6	5 above	33	+14	5	−13	3275	+173	378	− 57
	9. IRELAND, NORTH	57	30	48·7	39·4	44·2	4 above	26	+13	7	−16	2730	+ 84	490	− 31
	10. IRELAND, SOUTH	60	28	51·2	39·2	45·4	3 above	36	+15	8	−10	3193	+147	431	+ 34
	—CHANNEL ISLANDS	57	38	53·3	44·9	49·3	4 above	51	+20	0	− 5	4128	+504	97	− 67

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 302.)	Rainfall. For the Week.			Rainfall. From December 31st, 1899.				Bright Sunshine. For the Week.				Bright Sunshine. From December 31st, 1899.			
		No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	29	15 more	253	+13	55·3	+ 6·1	5	0	11	0	1089	+ 40	25	+ 1
	1. SCOTLAND, EAST	5	7	1 ,,	218	+23	36·2	+ 4·9	6	− 1	13	− 1	1154	−114	26	− 3
	2. ENGLAND, N.E.	2	2	4 less	184	0	29·5	+ 3·4	7	+ 2	14	+ 6	1198*	− 64	28	− 1
	3. ENGLAND, EAST	3	2	3 ,,	183	+ 2	23·8	− 1·7	20	+10	37	+18	1670	+ 73	37	+ 2
	4. MIDLAND COUNTIES	3	7	2 more	178	+ 1	28·0	0·0	13	+ 5	26	+10	1391	+ 78	33	+ 2
	5. ENGLAND, SOUTH	4	8	1 ,,	169	− 3	26·7	− 2·0	17	+ 6	32	+12	1728	+113	39	+ 2
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	5	23	9 ,,	230	+25	60·3	+ 8·4	5	− 2	11	− 2	1294	− 41	30	− 1
	7. ENGLAND, N.W.	4	5	3 less	196	+ 3	37·5	+ 2·8	7	− 1	15	− 2	1487*	+111	33	+ 2
	8. ENGLAND, S.W.	5	14	4 more	206	+10	43·5	+ 2·9	8	− 3	14	− 7	1728	+ 90	40	+ 2
	9. IRELAND, NORTH	5	11	3 ,,	235	+12	40·1	+ 4·9	4	− 4	9	− 7	1397	+ 48	30	+ 1
	10. IRELAND, SOUTH	5	23	14 ,,	211	+ 9	46·3	+ 8·1	15	+ 4	30	+ 9	1453	+ 21	33	0
	— CHANNEL ISLANDS	6	8	0 (average)	212	+ 3	33·3	0·0	13	+ 4	24	+ 7	1925	+100	46	+ 3

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was again very mild generally, but became much cooler than of late at the end of the week. Frequent and heavy rain was experienced in Ireland, Scotland and the south-west of England; elsewhere the rain was comparatively slight, especially over the east and north-east of England.

Temperature was again above the mean, the excess ranging from 3° in Ireland S., and 4° in Ireland N. and the Channel Islands, to 6° in England N.W., Scotland W. and N., and the Midland Counties, and to 7° in Scotland E. and England N.E. The highest of the maxima were recorded on the 20th, when the thermometer rose to 62° in England N.W. (at Llandudno), to 60° in the Midland Counties and Ireland S. (at Cirencester and Dublin), and to between 55° and 58° in the other districts. The readings at Llandudno and Cirencester are the highest registered at those stations in any December since the records began. The lowest of the minima occurred, as a rule, at the close of the week, and ranged from 27° in England S. to 33° in England N.E. and Scotland E., and to 38° in the Channel Islands.

Rainfall greatly exceeded the mean value in the west and north of Scotland and in the south of Ireland, and was in excess in some other parts of the Kingdom. Over the north-west, north-east and east of England, however, there was a deficit, while the fall in the Channel Islands was just equal to the normal.

Bright Sunshine was fairly abundant in nearly all the "wheat-producing" districts and also in Ireland S. and the Channel Islands, but deficient elsewhere. The percentage of the possible duration ranged from 37 in England E. and 32 in England S., to 11 in Scotland N. and W., and 9 in Ireland N.

Barometer and Wind.—The barometer was again highest to the southward or south-eastward of our Islands, and large depressions continued to skirt our western and northern coasts during nearly the whole of the week, and secondaries to move more directly over the Kingdom. The disturbance which appeared in the north-west on Thursday was of great size and depth, causing unusually strong South-Westerly to Westerly or North-Westerly gales over the north-western and northern parts of the Kingdom, and moderate to fresh gales elsewhere. By the end of the period this depression was disappearing over Lapland, the gales over our Islands had subsided, and a new shallow disturbance was advancing towards France over the Bay of Biscay.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 301 has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	52	39	47·9	41·6	44·9	+ 5·7	22	1	7	0·91	- 0·07	*	*	*	*
	Stornoway	53	35	48.3	38·7	43·7	+ 4·8	26	9	7	3·80	+ 2·52	4·8	- 1·0	11	- 2
	Wick	52	34	47·3	38·9	43·3	+ 6·0	22	9	6	0·66	- 0·04	*	*	*	*
	Lairg ℌ	55	33	49·2	36·9	43·3	+ 7·0	31	14	6	1·46	+ 0·56	*	*	*	*
	Glencarron ℌ	55	35	48·0	39·1	43·7	+ 7·2	24	8	7	5·81	+ 3·61	*	*	*	*
	Fort Augustus ℌ	56	35	48·9	39·5	44·4	+ 6·5	27	7	7	3·04	+ 1·92	1·7	+ 0·1	4	0
	Fort William ℌ	58	37	49·9	41·8	46·0	+ 7·1	29	1	7	4·39	+ 2·28	0·1	- 2·4	0	- 6
1. SCOTLAND, E.	Nairn	56	34	50·1	37·6	44·1	+ 6·8	33	12	6	0·75	+ 0·33	*	*	*	*
	Aberdeen	53	35	47·3	39·3	43·5	+ 6·2	22	8	3	0·20	- 0·48	7·8	- 1·2	17	- 3
	Braemar ℌ	57	33	47.1	37·1	42·3	+ 8·1	23	14	5	1·27	+ 0·59	5·0†	+ 0·2†	11†	+ 1†
	Ochtertyre ℌ	53	34	47·7	37·6	42·9	+ 6·3	25	12	7	1·17	+ 0·23	*	*	*	*
	Leith	57	38	50·0	40·9	45·6	+ 6·6	30	3	3	0·42	+ 0·01	*	*	*	*
	Marchmont ℌ	54	31	48·7	37·4	43·3	+ 7·1	28	13	5	0·38	- 0·29	5·0	- 2·5	11	- 5
2. ENGLAND, N.E.	Alnwick Castle	54	37	? 49·8	? 40·1	? 45·1	? + 7·2	? 30	? 5	2	0·11	- 0·57	*	*	*	*
	Durham	57	33	48·6	39·0	44·0	+ 7·0	27	8	2	0·05	- 0·56	10·4	+ 0·4	22	+ 2
	Shields	57	36	50·3	41·0	45·8	+ 7·2	31	3	1	0·01	- 0·50	*	*	*	*
	Scarborough ℳ	54	36	49·2	40·1	44·8	+ 6·4	28	5	3	0·12	- 0·48	5·0	?	10	?
	Spurn Head	54	36	47·9	38·9	43·6	+ 4·6	24	9	2	0·30	- 0·14	*	*	*	*
	Fulbeck (Lincolnshire)	56	34	48·3	33·4	43·6	+ 6·9	26	10	4	0·46	?	*	*	*	*
3. ENGLAND, E.	Hillington ℳ	55	30	49·1	35·5	42·6	+ 5·7	32	18	4	0·16	- 0·38	18·4	+ 9·1	36	+18
	Yarmouth	51	31	47·4	37·4	42·6	+ 4·5	24	13	2	0·13	- 0·45	*	*	*	*
	Geldeston	54	32	49·7	37·3	43·8	+ 5·6	32	13	2	0·16	- 0·32	20·4	+ 9·4	38	+17
	Cambridge	55	31	51·1	36·1	43·9	+ 6·6	38	17	2	0·17	- 0·23	19·2	+ 9·9	36	+18
	Felixstowe	51	34	47·5	38·4	43·1	+ 4·3	23	10	2	0·19	?	23·6†	?	44†	?
	Rothamsted	54	31	48·0	36·0	42·2	+ 4·7	27	17	5	0·48	- 0·07	20·2	+10·4	38	+20
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	52	34	48·9	38·7	44·0	+ 6·8	28	9	3	0·19	- 0·30	*	*	*	*
	Loughborough	59	29	50·3	37·6	44·2	+ 6·5	34	12	2	0·69	+ 0·17	*	*	*	*
	Cheadle ℳ	54	31	46·7	36·4	41·8	+ 5·1	13	25	3	0·46	- 0·26	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	53	34	47·6	38·7	43·3	+ 6·7	23	9	2	0·94	+ 0·46	17·5	?	33	?
	Churchstoke ℳ	55	29	48·6	36·6	42·8	+ 4·8	28	15	5	0·93	+ 0·23	17·3	+ 7·8	32	+15
	Hereford (Belmont) ℳ	54	31	49·4	38·0	43·9	+ 5·6	30	11	5	1·50	+ 0·98	*	*	*	*
	Cirencester	60	29	49·6	34·4	42·3	+ 5·1	34	21	4	0·69	+ 0·07	12·1	+ 2·6	23	+ 5
	Oxford	56	35	49·7	38·4	44·2	+ 6·0	31	10	2	0·34	- 0·11	18·6	+ 9·0	35	+17
5. ENGLAND, S.	London	54	32	49·3	37·6	43·7	+ 4·6	30	12	3	0·35	- 0·14	11·9†	+ 7·1†	22†	+13†
	Swarraton (Alresford) ℳ	53	27	48·4	33·6	41·3	+ 3·3	36	18	5	1·12	?	*	*	*	*
	Dungeness	52	34	50·4	40·0	45·4	+ 5·3	32	6	3	0·31	- 0·29	16·2	?	30	?
	Hastings (St. Leonards)	52	35	50·0	41·2	45·8	+ 3·1	30	2	4	0.44	- 0·21	18·0	+ 5·0	33	+ 9
	Southampton	55	32	51·3	40·7	46·2	+ 6·1	35	4	5	0·67	- 0·05	17·2	+ 6·0	32	+11
	Portland Bill	54	38	51·6	42·3	47·1	+ 6·0	36	0	3	1·59	?	*	*	*	*
	Shaftesbury ℳ									7	0·91	+ 0·23	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	55	37	51·5	42·1	47·0	+ 6·8	35	0	7	4·43	+ 2·39	*	*	*	*
	Glasgow	54	37	48·8	41·4	45·3	+ 6·9	26	2	4	1·34	+ 0·44	3·3	- 0·7	7	- 1
	Glenlee ℌ	51	32	48·1	39·1	43·8	+ 6·2	25	8	5	2·51	+ 1·09	*	*	*	*
	Douglas (Isle of Man)	54	33	50·8	40·4	45·8	+ 4·5	33	4	3	0·79	- 0·26	7·0	- 2·4	14	- 4
7. ENGLAND, N.W.	Newton Reigny	54	31	47·3	39·4	43·5	+ 7·3	21	7	4	1·32	?	7·3	?	15	?
	Stonyhurst	56	36	47·6	39·2	43·6	+ 5·8	23	8	5	0·42	- 0·65	3·0	- 3·3	6	- 6
	Blackpool ℳ	57	37	50·4	42·2	46·5	+ 7·6	32	0	4	0·35	- 0·35	2·9	- 2·9	6	- 5
	Manchester (Prestwich)	56	34	48·3	38·7	43·7	+ 6·1	26	9	3	0·39	- 0·43	4·3	?	9	?
	Liverpool Obsy. (Bidston)	59	38	49·7	41·0	45·5	+ 5·6	29	3	4	0·14	- 0·45	13·0	?	25	?
	Llandudno ℳ	62	37	52·5	43·7	48·3	+ 6·5	44	0	2	0·09	- 0·61	9·2	+ 2·2	18	+ 5
	Holyhead	54	41	49·7	43·1	46·5	+ 3·4	32	0	3	0·77	- 0·08	*	*	*	*
8. ENGLAND, S.W.	Llandovery	57	28	49·6	34·7	42·5	+ 4·3	34	20	6	1·99	+ 0·76	*	*	*	*
	Pembroke	55	42	51·0	45·7	48·5	+ 4·9	46	0	5	1·48	+ 0·58	3·3	- 7·1	6	-14
	Clifton	56	35	50·9	40·4	45·9	+ 6·7	34	4	4	1·40	+ 0·70	*	*	*	*
	Arlington (N. Devon)	55	32	49·3	40·4	45·0	+ 5·0	28	4	4	1·64	+ 0·34	*	*	*	*
	Cullompton ℳ	56	29	50·2	35·9	43·3	+ 4·7	35	17	5	0·89	+ 0·09	9·3	+ 0·5	17	+ 1
	Falmouth	56	39	51·0	43·7	47·5	+ 3·5	39	0	6	1·06	- 0·14	6·5	- 6·3	12	-11
	Plymouth	55	31	52·6	39·9	46·5	+ 4·1	40	6	5	1·12	+ 0·27	6·3	- 5·4	11	-10
9. IRELAND, N.	Malin Head	55	39	49·0	43·0	46·1	+ 4·3	29	0	6	0·69	?	*	*	*	*
	Londonderry	56	32	49·9	37·7	44·0	+ 4·2	32	12	4	1·02	+ 0·10	*	*	*	*
	Edenfel (Omagh)	56	30	47·1	36·4	42·0	+ 4·6	14	16	4	0·89	+ 0·07	*	*	*	*
	Blacksod Point	55	40	50·4	42·9	46·8	+ 3·7	34	0	7	2·73	?	*	*	*	*
	Markree Castle	52	31	48·0	37·4	42·9	+ 3·9	26	13	5	1·51	+ 0·56	1·9	- 6·1	4	-11
	Armagh	57	35	48·6	39·5	44·2	+ 5·9	26	7	6	0·69	+ 0·02	6·6	- 1·4	13	- 3
	Donaghadee	55	34	47·6	38·9	43·4	+ 2·4	23	9	3	0·46	- 0·21	*	*	*	*
10. IRELAND, S.	Dublin	60	35	52·0	41·8	47·1	+ 6·0	37	1	3	0·21	- 0·34	21·5	+ 9·7	42	+19
	Parsonstown	58	33	48·9	37·1	43·2	+ 3·8	29	14	6	0·72	+ 0·04	14·1	+ 4·0	28	+ 8
	Kilkenny	58	28	49·6	34·1	42·2	+ 1·7	35	22	4	0·89	+ 0·05	*	*	*	*
	Roche's Point	53	38	50·0	43·0	46·6	+ 2·7	32	0	4	1·86	+ 0·68	*	*	*	*
	Valencia	57	35	52·3	40·7	46·7	+ 1·6	38	4	7	1·90	+ 0·52	10·4	+ 0·4	20	+ 1
	Killarney	57	32	52·9	37·9	45·7	+ 2·7	43	11	? 6	2·86	?	*	*	*	*
	Foynes	57	32	52·4	40·0	46·5	+ 5·1	40	6	5	0·84	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	57	45	54·0	46·9	50·6	+ 3·8	60	0	6	0·85	- 0·02	6·9	?	13	?
	Jersey	56	38	52·6	42·9	47·9	+ 4·5	41	0	5	0·82	- 0·02	17·7	+ 3·5	32	+ 7

Stations marked ℳ are in connection with the Royal Meteorological Society, and those marked ℌ with the Scottish Meteorological Society.

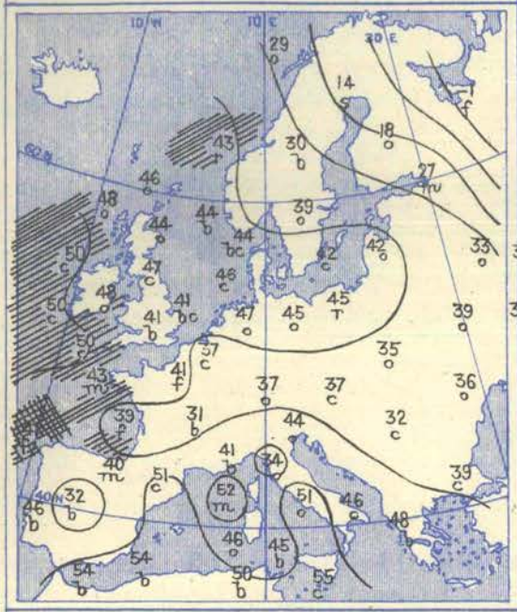
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

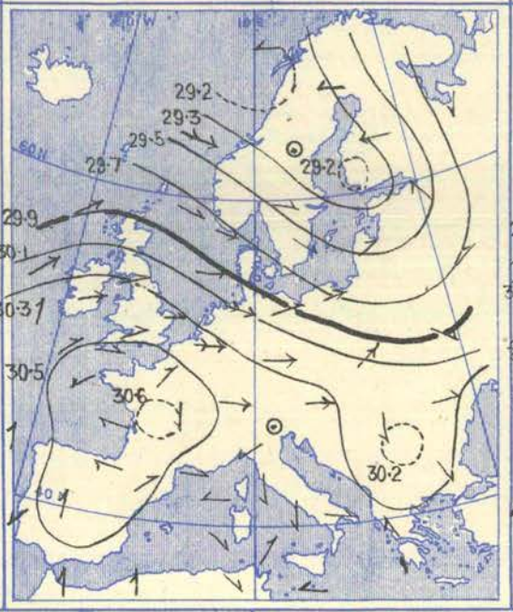
NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 16th December.

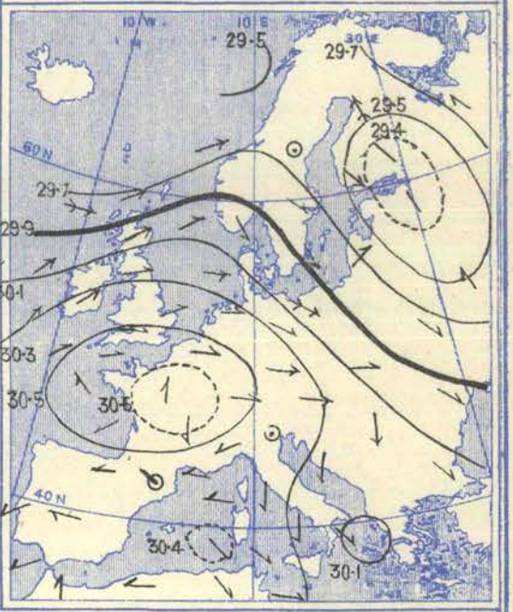
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m



Weather in morning fine generally over the British Islands and France; clear in the south-east of England, at the French southern stations, over Spain, and the North Sea; unsettled over northern Europe and the Baltic, snowing in the north of Russia. Rain later at our extreme northern and north-western stations, at Valencia and the north-west of Norway, also in some parts of Germany—the amount at Christiansund being large.

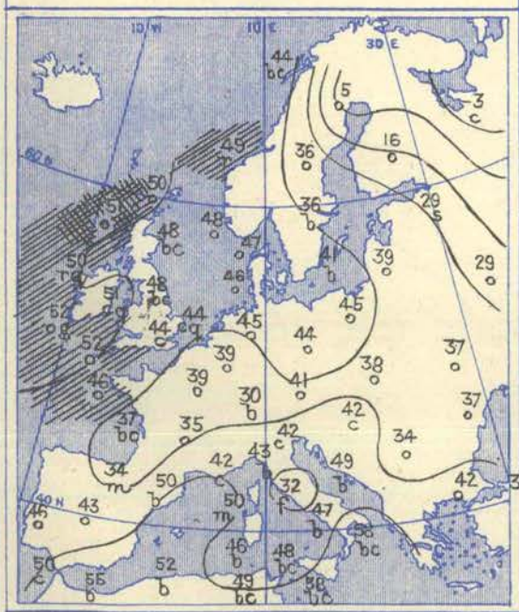
Temperature fallen over the United Kingdom, but still above the average for the time of year; fallen also over Scandinavia; risen over Lapland. Morning readings highest, 50° on all our south-western coasts, 48° to 46° in Scotland, 41° in Paris, London and at Yarmouth. Lowest, (1) −1° Fahr. at Archangel, +14° at Haparanda, 27° at St. Petersburg; (2) 32° at Hermanstadt, and below 40° over the inland parts of central Europe. Exceeding 50° all over our Islands during the day and touching 56° at Jersey, 55° at Scilly. Not touching 50° over the greater part of France, but rising to 54° at Lorient, 60° at Perpignan, and 68° in the Azores.

Wind Easterly, moderate to fresh, over northern Europe; Westerly, fresh to strong, over the Baltic and north Germany (a gale at Cuxhaven); variable (anticyclonic) over France; South-Westerly in the north-west and west of the British Islands. The South-Westerly wind in the west spreading later and blowing a gale (from West) at Stornoway.

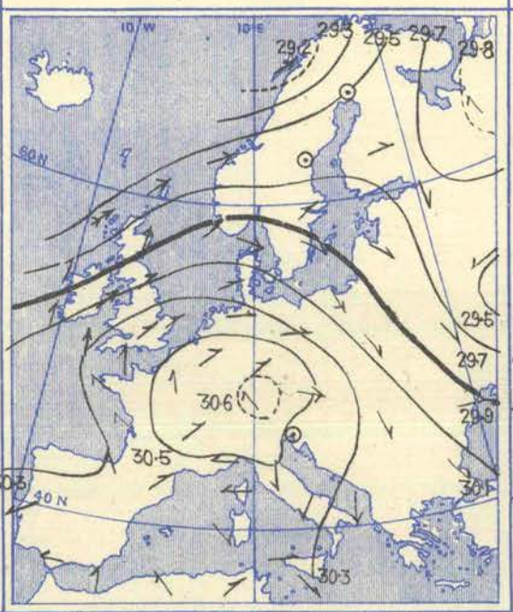
Barometer highest, 30·6 ins. and more to 30·5 ins. over France and the English Channel. Lowest, (1) 29·2 ins. and less over the north-west of Norway and the south-west of Finland, and below 29·9 ins. off the north-west of Scotland; (2) below 30·4 ins. over Italy and 30·2 ins. at Hermanstadt. Falling later on our western and northern coasts, rising over Continental Europe.

Monday, 17th December.

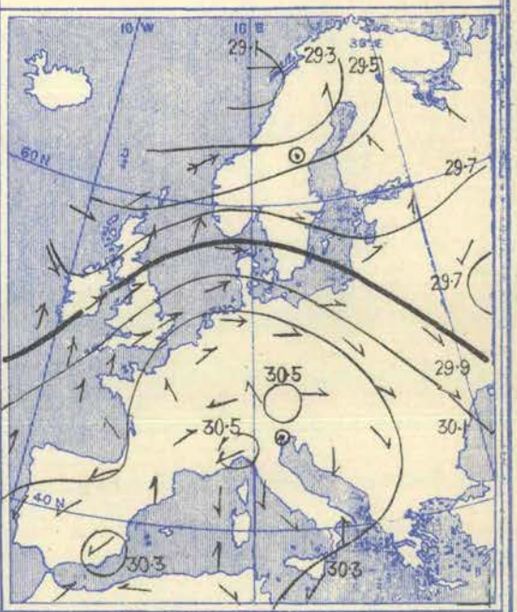
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning remaining fair, but dull, over central Europe, but again becoming unsettled in the west and north of the British Islands, gloomy at Valencia, rainy and squally at Blacksod Point. Rain falling later at all our western and northern stations—the largest amounts being in the west of Ireland; fair weather continuing over the eastern parts of the Kingdom and local showers occurring over Russia.

Temperature fallen a little over the Continent, but recovering in the British Islands. Morning readings highest, 50° to 55° over some parts of the Algerian coast, 52° to 50° in the extreme north-west, west and south-west of the British Islands, 49° at Christiansund, 47° at the Scaw, 44° at Berlin. Lowest, (1) −3° Fahr. at Archangel, +5° at Haparanda, 29° at St. Petersburg and Moscow; (2) 29° at Limoges, 30° at Munich and Belfort, 39° at Paris and Brussels. Rising later to between 50° and 53° over all the western and northern parts of the British Islands, not nearly so high over Germany and the inland parts of France, but touching 55° at Nice, 59° at Alicante, 66° at Cagliari.

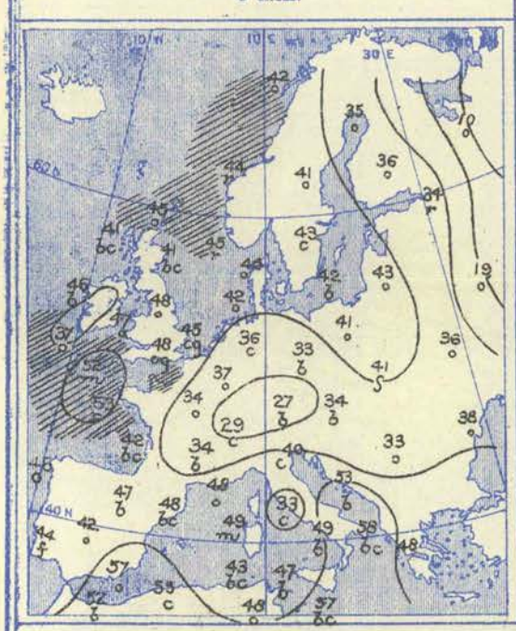
Wind (1) North-Westerly to Westerly over the Baltic and central Europe, anticyclonic over France, South-Westerly over the British Islands and blowing a moderate to fresh gale at some of the western and north-western stations. Further increase of wind force later at the western and north-western stations, but a shift to North-West and a lull occurring still later in the west of Ireland. Wind backing somewhat over the Baltic.

Barometer in morning highest, 30·6 ins. to 30·3 ins. over southern and central Europe and the south-east of England. Lowest, 29·5 ins. (1) over central Russia, and (2) in a large depression off our north-western coasts. Falling later all over the United Kingdom, but beginning to rise again in the west of Ireland in the evening.

Tuesday, 18th December.

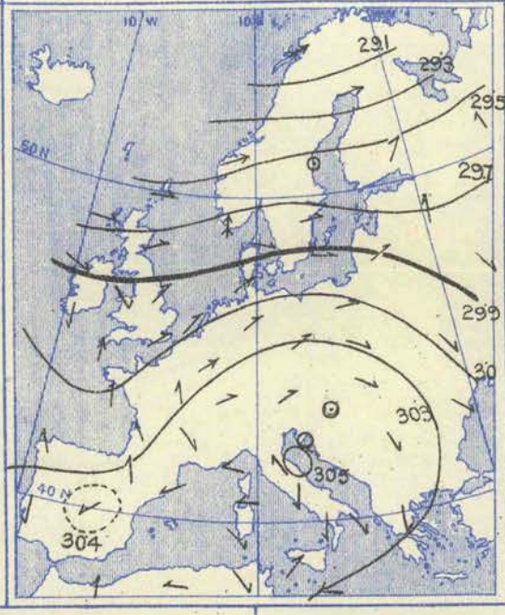
Temperature and Weather.

8 a.m.

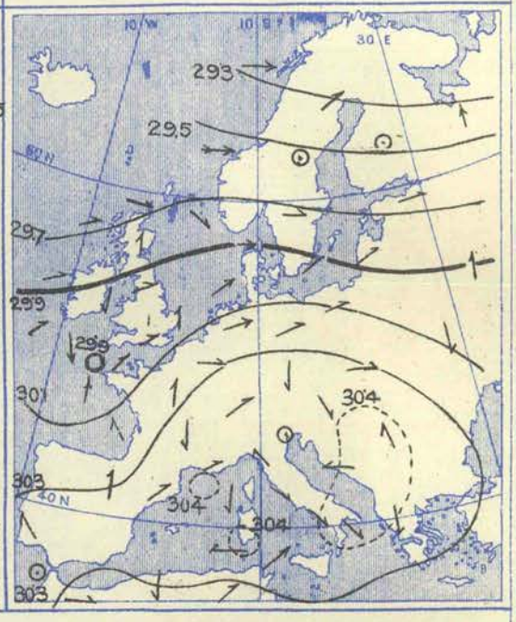


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine in Scotland, and at many of the Irish stations, and also in several parts of southern Europe, but cloudy or dull elsewhere, with rain at Liverpool and Pembroke, as well as at St. Petersburg and in the west of Norway. Fog reported from Prague and Varsovie. Rain falling later over our Islands, Scandinavia and the north of France, heavily over the English Channel and Brittany.

Temperatures fallen decidedly over Ireland and Scotland, central Europe, and the west of Norway, risen in most other places. Morning readings highest, 58° at Brindisi, 57° at Malta and Alicante, 55° at Algiers and 52° at Nemours. Lowest, (1) 10° at Archangel, 19° at Moscow; (2) 27° at Munich, 32° at Frankfort, 33° at Berlin and Hermanstadt; (3) 37° at Parsonstown and Donaghadee. Rising during day to 50° and upwards over England and France, to 61° at Cagliari, 66° at Palermo, and reading 68° at La Calle.

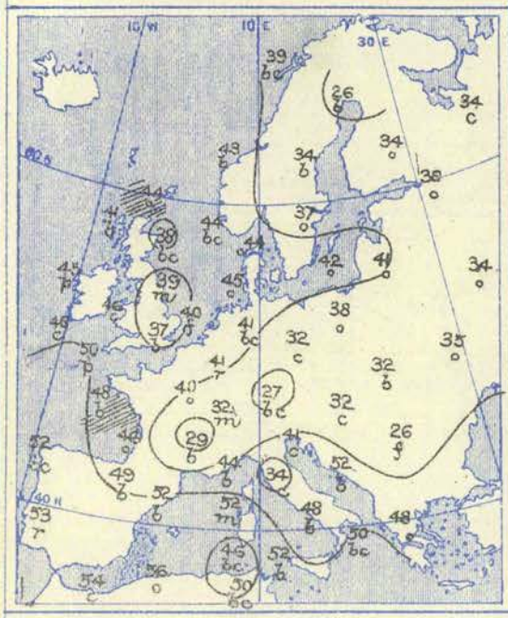
Wind South-Westerly to Southerly over France, the greater part of England, the North Sea and Scandinavia. Chiefly North-Westerly or Northerly over Russia and southern Europe, moderate to fresh in force generally, but blowing a gale in the west of Norway. In Scotland Westerly breezes prevail, while in Ireland and Wales it is North-Westerly or Northerly. Northerly wind in west, spreading Eastwards later to English Channel and blowing freshly or strongly; little change elsewhere.

Barometer highest, 30·4 ins. and upwards in an anticyclone lying over central and southern Europe, and extending northwards over the greater part of France and Germany. Lowest, 29·1 ins. and less in a depression lying off the north of Norway, and 29·9 ins. and less in a small secondary system off the west coast of Cornwall; depression in north moving away to the north-eastward later, and small secondary disturbance in the south-west travelling slowly up the English Channel.

Wednesday, 19th December.

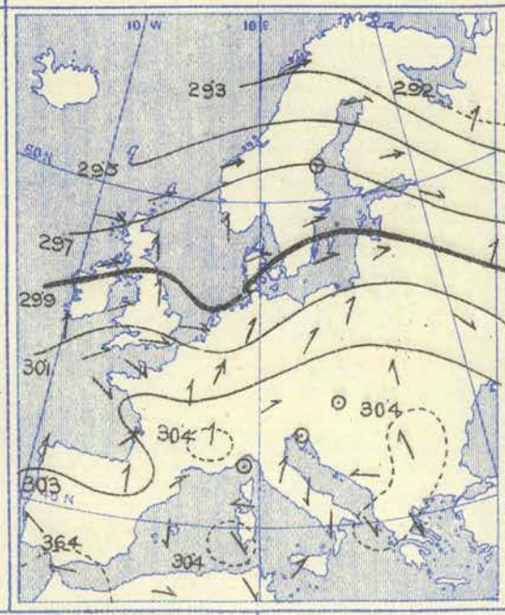
Temperature and Weather.

8 a.m.

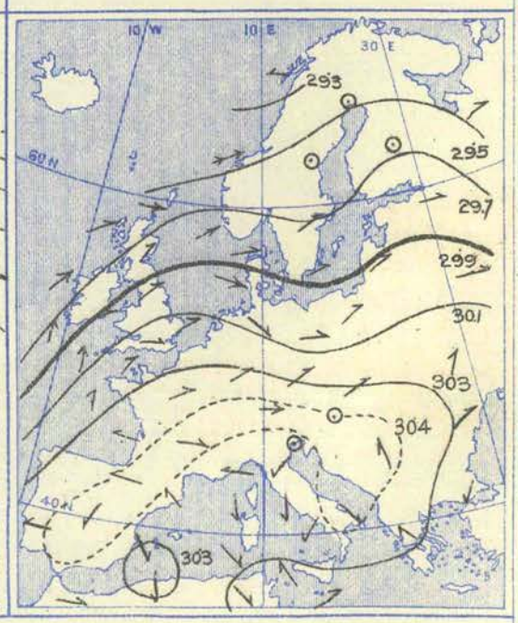


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning rainy at The Helder, and showery in the north-west of Ireland, fair or fine in nearly all other places. Fog reported at several central European stations, and also over the north of Italy. Rain falling later over the greater part of our Islands, Scandinavia, and Denmark, heavily at our own western and northern stations, as much as 1·42 ins. being measured at Roches Point and 0·85 ins. at Stornoway.

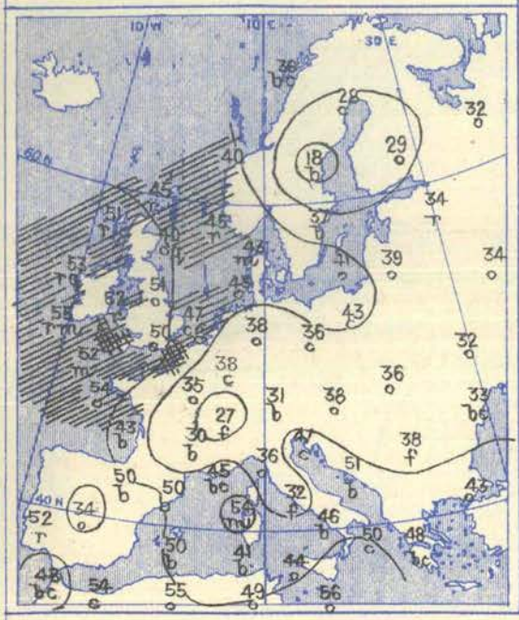
Temperature fallen over our Islands and Scandinavia, but risen over France; changed irregularly elsewhere, but risen decidedly over northern and central Russia. Morning readings highest, 56° at Algiers, 54° at Nemours, 53° at Lisbon, and 52° at Barcelona, Palma, Sanguinaire and Lesina. Lowest, 26° at Hermanstadt, 27° at Munich, 28° at Prague, and 29° at Buda-Pesth and Lyons. Lowest in our Islands, 35° at Loughborough and Oxford, and 38° at Nairn and Aberdeen. Rising during day to 50° and 55° over Ireland and England and France, and reaching 57° at Biarritz, and 61° at Coruna.

Wind Southerly to Westerly in our Islands and light to moderate in force, Southerly on the eastern shores of the North Sea, West-South-Westerly, strong, in the north-west of Norway. light and variable on the Continent generally. Wind backing to the Southward later on all our western coasts and increasing in force at several of the Irish and western English stations.

Barometer highest, 30·3 ins. and more in a large anticyclone lying over the whole of southern Europe and the Mediterranean. Lowest, 29·1 ins. and less in a large depression to the northward of Russia. Barometer falling quickly on our western coasts later, and a depression of great ize and intensity arriving off our west and north-west coasts.

Thursday, 20th December.

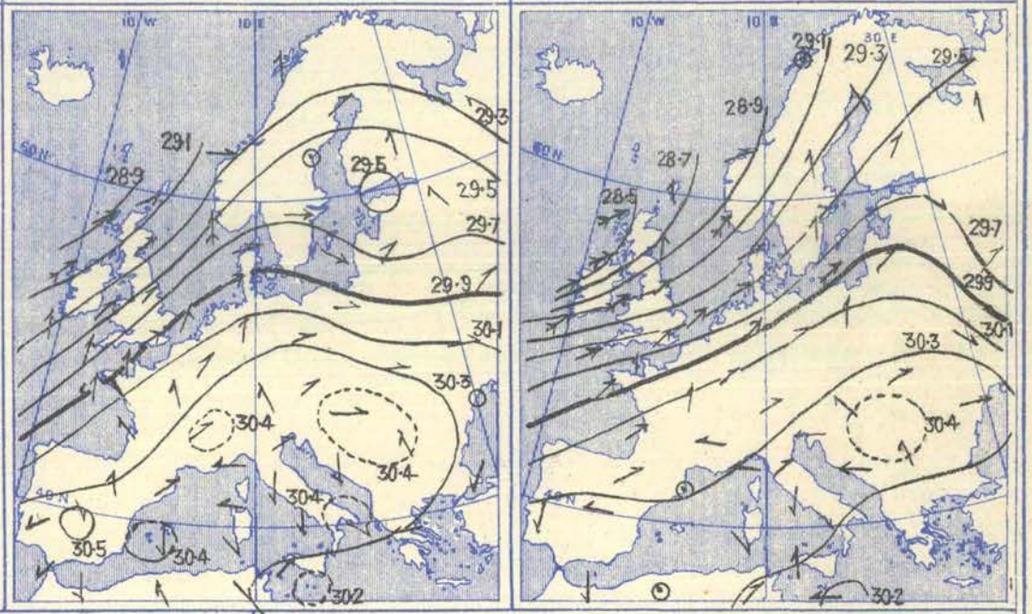
Temperature and Weather. 8 a.m.



Weather disturbed and rough all over the United Kingdom; finer over France (especially the southern parts) and over Scandinavia. Rain very general in the west and in small quantities over all parts of our Islands, the north of France and the Netherlands.

Temperature risen greatly—as much as 16° at Loughborough, Oxford and Parsonstown—fallen over France. Morning readings highest, 55° at Valencia, and exceeding 50° over all but the most eastern parts of our Islands. Lowest, 23° at Kuopio, and below 32° over the greater part of Russia, 27° at Belfort, 28° at Limoges. Rising later to between 55° and 57° in many parts of our Islands and to 59° at Biarritz; lower inland at the French and German stations.

Barometer and Wind. 8 a.m. / 6 p.m.

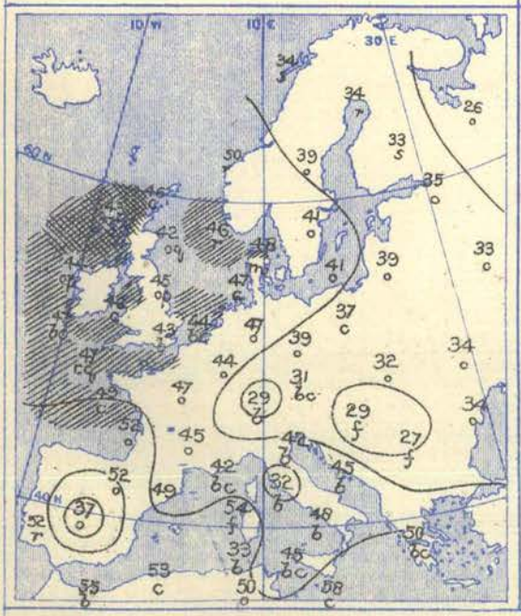


Wind light to moderate and very variable over southern Europe, stronger (but variable) in the north; Southerly and South-Westerly, strong to a gale, in the United Kingdom. Severe gales from South-West and North-West later in the northern and north-western districts and less strong gales all over the United Kingdom and its neighbourhood—but France and Germany very little affected.

Barometer in morning 30·53 ins. at Madrid and exceeding 30·3 ins. over nearly all the south-western and central parts of the Continent. Lowest, below 28·9 ins. off our extreme north-western coasts, and below 29·5 ins. in a secondary over the south of Finland. Gradients steep over the United Kingdom. Falling later to below 28·5 ins. off our extreme north-west coasts; depression moving north-eastwards and spreading eastward and southward.

Friday, 21st December.

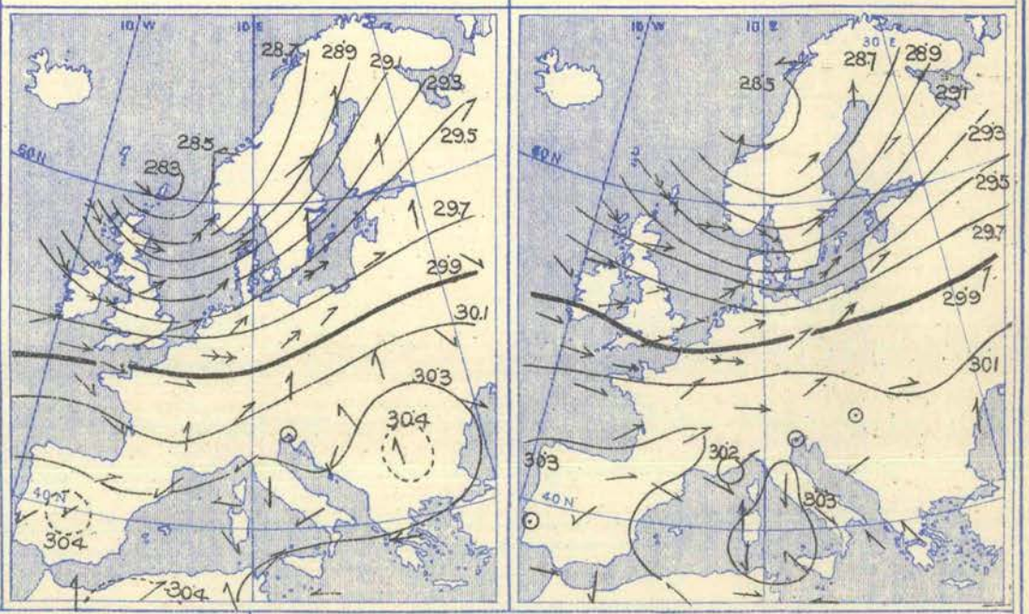
Temperature and Weather. 8 a.m.



Weather in morning still fair and quiet over the Mediterranean and southern countries of Europe, unsettled, squally and rainy in the north-west and north; snow at Bodö and Knopio. Rain reported later over many parts of France, the British Islands and northern Europe, hail and snow in some places, lightning seen at Fanö and Jersey.

Temperature giving way over the British Islands, rising over France, Germany and Scandinavia. Morning readings highest, 50° and more on the coast of Algeria and on the west coast of France; 48° to 47° on the southern and south-western coasts of our Islands, and above 40° at our Midland stations and in the east of Scotland; 50° at Christiansund, 48° at the Scaw. Lowest, (1) 26° at Archangel, 33° at Moscow, 34° at Kief; (2) 27° at Hermanstadt, 29° in several parts of Austria, 39° at Berlin; (3) 37° at Madrid. Rising later to 54° in the south of France, to between 53° and 50° in the extreme south of our Islands, to between 60° and 64° in the south of Italy.

Barometer and Wind. 8 a.m. / 6 p.m.

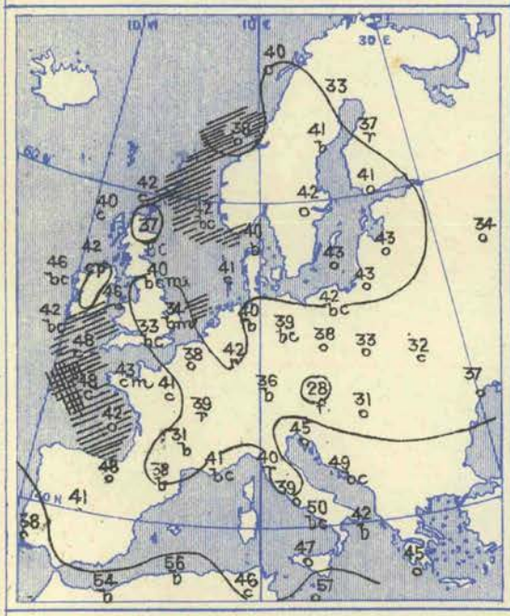


Wind rough and unsettled in the north-west and north; Westerly gales prevailing in many parts of the British Islands, most in the north; and South-Westerly over Scandinavia and the North Sea. South-Easterly to Easterly winds prevalent in Lapland. Light to moderate breezes continuing over the Mediterranean and southern Europe. Gale in our Islands moderating later and wind at several stations veering North-Westward.

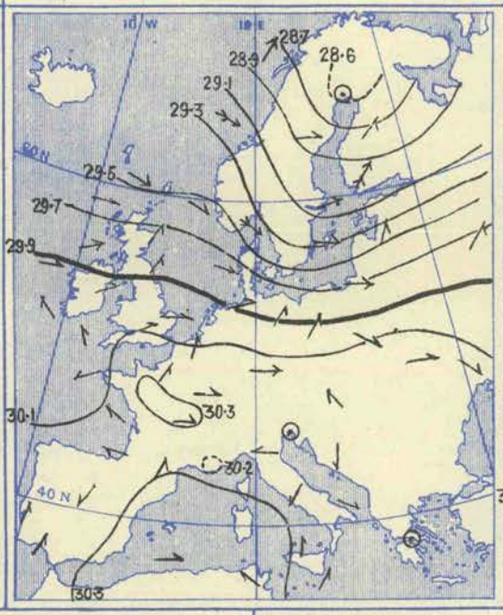
Barometer highest, 30·4 ins. and more to 30·0 ins. over all the southern half of Europe; two maxima shown—one over Spain the other over Hungary. Lowest, 28·3 ins. and less over the northern parts of the Shetlands and below 29·0 ins. over the whole of Scotland and the greater part of Scandinavia. Gradients very steep over Scotland and the northern parts of the North Sea. Rising later over the United Kingdom and France; falling in Norway. Depression in north moving north-eastwards.

Saturday, 22nd December.

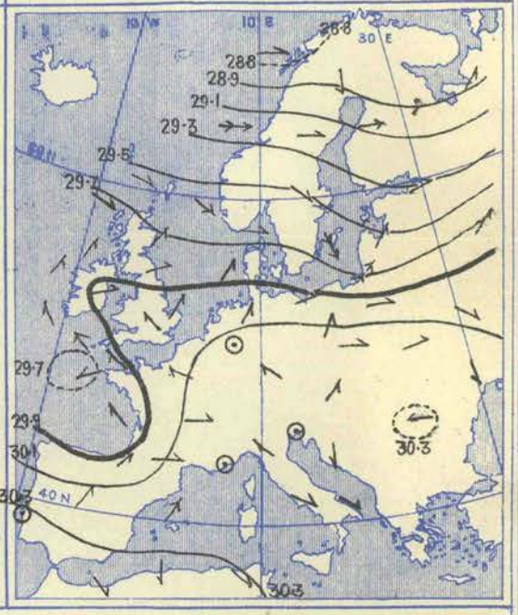
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still fine over southern and western Europe, and greatly improved over the British Islands, sky clear in several parts of England. Still very rainy and dull over Finland and the Baltic. A further fall later in the latter regions and over the north of Scotland; large quantities over France and on our own south-west coasts; a trace in London, where also fog set in.

Temperature going down over western Europe, rising a little over Russia and central Europe. Morning readings highest, 57° at Malta, 56° at Algiers, 48° to 42° on the western coasts both of France and the British Isles. Lowest, (1) 33° at Haparanda and also at Odessa, 34° at Moscow; (2) 28° at Vienna, 31° at Hermanstadt; (3) 34° to 36° over the central parts of England. Not touching 50° later at any part of our islands excepting Scilly; reaching 50° to 52° in the west of France and touching 61° at Biarritz, Lisbon and Malta, 64° at Alicante

Wind still blowing a gale from West and South-West over the Baltic and Gulf of Finland, but become moderate to light in the British Islands, and light generally over the central and western parts of Continental Europe. Subsequently shifting to South-East over the southern parts of the British Islands and to East in the north-west of France. Becoming calm over central Europe.

Barometer highest, 30·3 ins. and more to 30·1 ins. over France, Spain and south Germany, but distribution very irregular. Lowest, 28·6 ins. and less to 29 ins. in a depression over the northern parts of the Gulf of Bothnia, Sweden and Lapland. Rising later over Scandinavia, falling over the south-west and south of the British Islands and in France A new but shallow depression approaching Brittany and France at night.

GENERAL NOTES.

During this week barometric pressure has been highest (30·5 ins. to 30·4 ins.) either over France or the southern countries of Europe, with the Mediterranean—the regions of actual maximum being at one time over the south-western, and at another over the south-eastern countries. At the same time it has been lowest to the north-westward of the British Islands and over Russia. Depressions, some of great size and depth, have moved north-eastwards outside our north-western and northern coasts to Lapland and Finland, and small secondary systems have passed over our own south-western and southern counties or over France, and have spread the disturbed weather further to the southward than would have been otherwise the case. The dominant wind over the United Kingdom has been South-Westerly and Westerly (sometimes temporarily North-Westerly) and has on several occasions attained the force of a gale in places—the most prominent being the gale of the 20th and 21st, which interfered so seriously with telegraphic communication for a time. Temperature was very high for the time of year till the close of the week, when it began to give, and rain has been abundant.

On Saturday, 22nd, when the barometer at the northern stations was recovering from the fall caused by Thursday's swirl, a new and small disturbance advanced towards France from the westward, causing large quantities of rain in that country, while cold and fog spread over England with light South-Easterly winds and calms.

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 302.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	8·4	?	20	?	WORTHING	19·0	?	35	?
STRATHPEFFER SPA	? 8·5	? + 1·5	? 19	? + 3	BOGNOR	*	?	*	?
EDINBURGH	6.1	+ 0·6	13	+ 2	WATERGATE (Emsworth)	17·4	?	32	?
MORPETH	5·2	?	11	?	WESTBOURNE (Emsworth)	16·5*	+ 5·3	31*	+10
NEWCASTLE-ON-TYNE	6·5	?	14	?	VENTNOR HOSPITAL	17·0	?	31	?
OSWALDKIRK (Yorkshire)	6·2	- 1·8	12	- 4	SOUTHPORT	5·8	?	12	?
YORK					RHYL	*	?	*	?
LOWESTOFT	16·4	?	31	?	COLWYN BAY	11·2	?	22	?
HOLLESLEY BAY	20·4	?	38	?	ABERDOVEY	9·5*	?	19*	?
SHEFFIELD	9·2	?	18	?	TENBY				
WORKSOP	3·0	- 4·5	6	- 8	BATH	9·8	?	18	?
THURCASTON (Leicestershire)	16·1	+ 9·3	32	+19	NEWQUAY				
MARGATE	18·9	+ 8·1	35	+15	TORQUAY	12·3	+ 0·5	22	0
EASTBOURNE	18·9	+ 6·4	35	+12	GUERNSEY	14·4*	+ 4·1	26*	+ 8
BRIGHTON	18·2	+ 6·8	34	+13					

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

REPORTS received too late for insertion in their proper places.

DATE OF REPORT.	NAME OF STATIONS.	Temperature. (In Degrees Fahrenheit.) Highest observed.	Lowest observed.	Averages for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from the Mean for the Week.	Accumulated Heat for the Week (in Day-Degrees). Above 42° F.	Below 42° F.	Rainfall. Number of Days with Rain.	Rainfall in the Week.	Difference from the Mean for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of Possible duration.	Difference from the Mean for the Week.
Week ending Dec. 8th, 1900	Hereford	55	38	52·1	42·4	47·4	+ 7·1	38	0	7	0·82	+ 0·22	—	—	—	—
" " " " "	Ventnor Hospital	—	—	—	—	—	—	—	—	—	—	—	2·2	?	4	?
" " " 15th, "	Edinburgh	—	—	—	—	—	—	—	—	—	—	—	8·4	+ 2·4	18	+ 6
" " " " "	Oswaldkirk	—	—	—	—	—	—	—	—	—	—	—	1·2	- 7·2	2	- 14
" " " " "	Hollesley Bay	—	—	—	—	—	—	—	—	—	—	—	9·7	?	18	?

WEEKLY WEATHER REPORT.

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON, S.W. ; W. N. SHAW, F.R.S., SECRETARY.

PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C. ; JOHN MENZIES & CO., 12, HANOVER STREET, EDINBURGH, 88 & 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS & CO., 104, GRAFTON STREET, DUBLIN.

VOL. XVII. No. 52.] *Third Series.* WEEK ENDING SATURDAY, DECEMBER 29TH, 1900. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the second page of this number. TEMPERATURE.—*Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Mean for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years observations (1871-95). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours. The *Means* with which the current values are compared are those for the corresponding period in the fifteen years 1881-95. RAINFALL.—The *Mean Amounts* are those for the corresponding periods in the thirty years 1866-95, but the *Mean numbers of Rainy Days* are those for the fifteen years 1881-95 only. BRIGHT SUNSHINE.—The *Mean Values* employed are those for the corresponding periods in the fifteen years 1881-95.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to Vol. I. Second Series.

Temperature of the Air.

	DISTRICTS. (See p. 308.)	Observed during the Week. Highest.	Lowest.	Averages of Daily Maxima.	Daily Minima.	Daily Mean.	Above or below the Mean for the Week.	Accumulated. For the Week. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.	From December 31st, 1899. Above 42°	Difference from Mean.	Below 42°	Difference from Mean.
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Day-deg.
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	58	29	46·9	36·9	42·1	4 above	22	+15	14	−19	2163	+187	812	− 28
	1. SCOTLAND, EAST	58	26	47·3	36·5	42·1	5 above	24	+18	15	−26	2324	− 38	889	− 30
	2. ENGLAND, N.E.	58	25	48·2	37·2	43·0	5 above	27	+20	13	−23	2788	+211	585	−155
	3. ENGLAND, EAST	53	24	46·8	35·4	41·3	4 above	13	+ 5	28	−13	3275	+298	614	−225
	4. MIDLAND COUNTIES	56	24	47·5	36·3	42·1	5 above	25	+16	16	−25	3090	+139	657	−204
	5. ENGLAND, SOUTH	54	28	49·1	40·1	44·8	6 above	28	+15	5	−27	3498	+218	420	−201
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	56	30	48·0	39·4	43·9	5 above	24	+13	7	−20	2624	+ 99	577	− 55
	7. ENGLAND, N.W.	59	26	48·7	38·9	44·0	5 above	27	+17	9	−19	2931	+165	497	−106
	8. ENGLAND, S.W.	57	30	50·8	40·7	45·9	5 above	33	+16	4	−17	3308	+189	382	− 74
	9. IRELAND, NORTH	57	29	47·5	37·1	42·5	3 above	24	+12	14	−11	2754	+ 96	504	− 42
	10. IRELAND, SOUTH	59	25	50·4	39·0	44·9	3 above	33	+13	8	−12	3226	+160	439	+ 22
	—CHANNEL ISLANDS	56	41	52·9	45·8	49·5	5 above	53	+25	0	− 7	4181	+529	97	− 74

Rainfall. Bright Sunshine.

	DISTRICTS. (See p. 308.)	Rainfall. For the Week. No. of Rainy Days.	Total Fall.	More or less than the Mean for the Week.	From December 31st, 1899. No. of Rainy days.	Difference from Mean.	Total fall.	Difference from Mean.	Bright Sunshine. For the Week. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.	From December 31st, 1899. Hours recorded.	Difference from Mean.	Percentage of possible Duration.	Difference from Mean.
			10ths of in.	10ths of in.			Ins.	Ins.								
Principal Wheat-producing Districts.	0. SCOTLAND, NORTH	7	20	7 more	260	+15	57·3	+ 6·8	3	− 2	7	− 3	1092	+ 39	25	+ 1
	1. SCOTLAND, EAST	6	10	3 ,,	224	+25	37·2	+ 5·2	5	− 2	11	− 4	1159	−116	26	− 3
	2. ENGLAND, N.E.	4	6	0 (average)	188	0	30·1	+ 3·4	3	− 3	5	− 5	1201	− 67	27	− 2
	3. ENGLAND, EAST	3	5	0 ,,	189	+ 5	24·3	− 1·7	10	− 2	19	− 3	1680	+ 72	36	+ 1
	4. MIDLAND COUNTIES	5	8	2 more	183	+ 3	28·8	+ 0·2	6	− 3	11	− 5	1397	+ 75	33	+ 2
	5. ENGLAND, SOUTH	6	6	0 (average)	175	− 1	27·3	− 2·0	9	− 3	16	− 5	1737	+119	39	+ 3
Principal Grazing, &c., Districts.	6. SCOTLAND, WEST	7	23	10 more	237	+28	62·6	+ 9·3	4	− 3	8	− 6	1298	− 44	29	− 1
	7. ENGLAND, N.W.	6	13	5 ,,	202	+ 6	38·8	+ 3·3	7	− 1	13	− 2	1495*	+109	33	+ 3
	8. ENGLAND, S.W.	7	15	5 ,,	213	+13	45·0	+ 3·4	6	− 5	10	−11	1734	+ 85	39	+ 2
	9. IRELAND, NORTH	7	16	8 ,,	242	+14	41·7	+ 5·7	4	− 4	7	− 9	1311	+ 44	30	+ 1
	10. IRELAND, SOUTH	6	23	13 ,,	217	+11	48·6	+ 9·5	6	− 4	12	− 9	1459	+ 16	33	0
	— CHANNEL ISLANDS	7	7	1 less	219	+ 6	34·0	− 0·1	9	− 3	15	− 5	1934	+ 97	45	+ 2

Bright Sunshine.—Owing to the absence of mean values for some of the stations the "differences from the mean" for Scotland N., England N.E. and E., the Midland Counties, England S., England N.W. and the Channel Islands, are likely occasionally to *appear* defective.

General Remarks.

Weather was cold at first with fog in many places, but gradually became mild and rainy very generally, and frequently very rough and squally.

Temperature continued above the mean, the excess ranging from 3° over Ireland to 5° in most parts of Great Britain and to 6° in England S. The highest of the maxima were registered, in most places, on the 25th, and varied from 59° in England N.W. and Ireland N. to 53° in England E. The maximum at Braemar (57°) is higher than any December reading at that station for at least 35 years. The lowest of the minima, which occurred during the earlier days of the week, ranged from 24° in England E. and the Midland Counties to 30° in Scotland W. and England S.W., and to 41° in the Channel Islands.

Rainfall was slightly less than the mean in the Channel Islands, and just equalled it over eastern and southern England, but was more than the normal in all other districts, the fall in most parts of the Kingdom being very heavy.

Bright Sunshine was very little prevalent, and less than the mean in all districts. The percentage of the possible duration ranged from 19° in England E., to 8° in Scotland W., to 7° in Scotland N. and Ireland N., and to 5° in England N.E.

Barometer and Wind.—The distribution of pressure continued cyclonic and most of the depressions again moved in a North-Easterly direction outside our western and north-western coasts. During Wednesday, however, a rather shallow depression passed Eastwards across England, and this was followed on Thursday by a large and very deep disturbance, which travelled East-North-Eastwards over Ireland and England to the central part of the North Sea. It then appears to have become divided, one portion moving Northwards, but the other, and by far more important part, moving East-South-Eastwards to north Germany and partially filling up. The system caused extremely severe gales from between South-West and North-West over all the southern half of the kingdom, and fresh South-Easterly gales on many parts of the Scotch coasts. At the end of the week the barometer was again falling in the south-west, and the wind had backed to the Southward or South-Westward very generally.

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* This value has been altered owing to the receipt of further information for a preceding week.

II.—DATA from which the SUMMARY on page 307 has been calculated.

Districts	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall			Bright Sunshine			
		Highest observed.	Lowest observed.	Averages for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Average from Mean for the Week.	Accumulated Heat for the Week (in Day-degrees). Above 42° F.	Below 42° F.	Number of Rainy Days.	Rainfall in the Week.	Difference from the Mean for the Week.	Number of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible duration.	Difference from the Mean for the Week.
		°	°	°	°	°	°	°	°		Inches.	Inches.				
0. SCOTLAND N.	Sumburgh Head	52	31	46·3	37·9	42·3	+ 3·2	19	11	7	1·78	+ 0·83	*	*	*	*
	Stornoway	53	35	46·9	37·7	42·5	+ 3·7	22	12	7	2·29	+ 1·04	5·5	- 0·4	13	0
	Wick	52	33	46·4	36·4	41·6	+ 4·4	12	24	6	1·00	+ 0·34	*	*	*	*
	Lairg ⚓	58	30	48·0	34·6	41·6	+ 5·4	17	33	7	1·36	+ 0·46	*	*	*	*
	Glencarron ⚓	56	30	46·3	36·3	41·5	+ 4·7	12	24	7	2·81	+ 0·58	*	*	*	*
	Fort Augustus ⚓	55	29	46·4	36·4	41·6	+ 3·7	12	24	7	1·70	+ 0·60	3·8	+ 2·0	8	+ 3
	Fort William ⚓	56	32	47·8	39·3	43·7	+ 5·0	23	8	7	3·17	+ 1·04	0·7	- 2·6	1	- 6
1. SCOTLAND, E.	Nairn	58	33	46·9	35·7	41·5	+ 4·4	14	27	6	1·00	+ 0·58	*	*	*	*
	Aberdeen	55	33	46·7	37·0	42·0	+ 4·7	13	14	5	0·85	+ 0·21	6·1	- 3·6	13	- 8
	Braemar ⚓	57	26	48·9	34·7	42·1	+ 7·9	31	20	7	1·22	+ 0·53	3·5†	- 1·5†	8†	- 2†
	Ochtertyre ⚓	54	29	47·1	36·4	42·0	+ 5·6	14	16	6	1·57	+ 0·57	*	*	*	*
	Leith	57	36	48·6	39·1	44·0	+ 5·1	26	8	5	0·32	- 0·08	*	*	*	*
	Marchmont ⚓	52	32	45·6	35·9	40·9	+ 4·7	10	25	7	0·79	+ 0·15	6·3	- 1·5	13	- 3
2. ENGLAND, N.E.	Alnwick Castle	56	36	48·6	37·4	43·2	+ 5·4	28	13	4	0·71	+ 0·09	*	*	*	*
	Durham	55	30	45·7	36·1	41·1	+ 4·4	10	25	5	0·54	- 0·04	5·2	- 4·9	11	- 9
	Shields	56	33	47·9	36·7	42·5	+ 4·2	26	15	4	0·31	- 0·17	*	*	*	*
	Scarborough ⚓	58	34	49·0	38·6	44·0	+ 5·9	28	10	4	1·14	+ 0·56	1·3	?	3	?
	Spurn Head	52	35	49·0	39·0	44·2	+ 5·6	28	8	4	0·32	- 0·10	*	*	*	*
	Fulbeck (Lincolnshire)	56	25	49·2	35·6	42·7	+ 6·3	32	18	5	0·35	?	*	*	*	*
3. ENGLAND, E.	Hillington ⚓	52	25	45·1	34·5	40·0	+ 3·3	9	30	7	0·61	+ 0·10	6·8	- 3·0	13	- 5
	Yarmouth	50	26	46·1	35·3	40·9	+ 3·0	11	28	6	0·56	+ 0·03	*	*	*	*
	Geldeston	52	24	46·9	34·5	41·0	+ 3·0	14	32	7	0·47	+ 0·02	9·7	- 1·4	18	- 3
	Cambridge	53	24	47·7	34·8	41·5	+ 4·3	16	31	5	0·21	- 0·19	7·2	- 2·5	14	- 4
	Felixstowe	50	29	47·2	37·5	42·5	+ 4·2	22	13	5	0·36	?	13·1†	?	25†	?
	Rothamsted	52	26	47·5	35·8	41·9	+ 4·5	15	27	7	0·68	+ 0·13	9·7	- 0·2	18	0
4. MIDLAND COUNTIES	Bawtry (Hesley Hall)	55	27	48·4	37·1	43·0	+ 6·0	28	14	3	0·44	- 0·03	*	*	*	*
	Loughborough	56	24	48·6	35·7	42·4	+ 5·0	29	18	6	0·63	+ 0·13	*	*	*	*
	Cheadle ⚓	53	25	45·6	35·4	40·7	+ 4·1	10	27	4	1·28	+ 0·58	*	*	*	*
	Birmingham (Mid. Inst. Obs.)	53	27	46·3	37·1	41·9	+ 5·7	12	22	4	0·54	+ 0·06	6·1	?	12	?
	Churchstoke ⚓	54	25	47·2	37·9	42·7	+ 4·9	22	11	6	1·13	+ 0·43	5·9	- 3·0	11	- 6
	Hereford (Belmont) ⚓	54	28	48·3	35·9	42·4	+ 4·2	28	17	7	0·80	+ 0·28	*	*	*	*
	Cirencester	53	25	47·6	34·1	41·1	+ 3·9	16	33	6	0·97	+ 0·33	4·0	- 6·0	8	-10
	Oxford	54	27	48·1	37·0	42·8	+ 4·6	27	14	6	0·60	+ 0·15	6·0	- 3·9	11	- 7
5. ENGLAND, S.	London	54	30	48·4	38·3	43·6	+ 4·6	27	10	5	0·35	- 0·14	3·1†	- 1·8†	6 †	- 3†
	Swarraton (Alresford) ⚓	52	28	48·1	37·6	43·1	+ 5·4	26	12	7	0·69	?	*	*	*	*
	Dungeness	54	34	50·7	40·7	45·9	+ 6·1	33	4	5	0·45	- 0·15	10·2	?	19	?
	Hastings (St. Leonards)	52	36	49·2	41·7	45·6	+ 5·5	26	1	4	0·66	+ 0·02	13·1	- 0·1	24	0
	Southampton	54	33	49·9	41·9	46·1	+ 6·3	29	0	7	0·65	- 0·06	3·3	- 8·0	6	-15
	Portland Bill	52	39	50·7	43·0	47·1	+ 6·4	36	0	7	0·36	?	*	*	*	*
	Shaftesbury ⚓	51	35	46·9	37·3	42·3	+ 6·0	22	13	7	1·13	+ 0·45	*	*	*	*
6. SCOTLAND, W.	Laudale (Loch Sunart)	56	34	47·6	39·9	44·1	+ 3·9	24	6	7	4·20	+ 2·18	*	*	*	*
	Glasgow	53	36	47·2	40·8	44·1	+ 5·7	20	3	7	1·17	+ 0·27	2·7	- 1·5	6	- 3
	Glenlee ⚓	54	30	47·8	38·1	43·1	+ 5·9	24	11	7	2·53	+ 1·05	*	*	*	*
	Douglas (Isle of Man)	53	31	49·2	38·6	44·1	+ 3·2	29	10	7	1·37	+ 0·33	5·1	- 4·7	10	- 8
7. ENGLAND, N.W.	Newton Reigny	53	30	45·7	35·4	40·8	+ 4·7	10	27	7	1·89	?	5·9	?	12	?
	Stonyhurst	55	32	46·2	39·2	42·8	+ 5·2	17	8	6	1·64	+ 0·62	5·1	- 1·2	10	- 2
	Blackpool ⚓	56	31	49·8	38·6	44·4	+ 5·8	31	10	6	1·19	+ 0·49	4·3	- 1·7	9	- 3
	Manchester (Prestwich)	57	26	47·9	36·9	42·6	+ 5·2	26	14	6	1·47	+ 0·67	2·8	?	6	?
	Liverpool Obsy. (Bidston)	57	32	49·7	39·1	44·6	+ 4·9	30	8	6	0·50	- 0·06	7·0	?	13	?
	Llandudno ⚓	59	36	51·5	40·6	46·3	+ 4·7	36	4	4	0·89	+ 0·19	5·7	- 1·6	11	- 2
	Holyhead	53	37	50·0	42·4	46·4	+ 3·9	31	0	7	1·26	+ 0·42	*	*	*	*
8. ENGLAND, S.W.	Llandovery	54	31	49·1	39·6	44·5	+ 6·3	28	7	7	1·79	+ 0·57	*	*	*	*
	Pembroke	54	39	51·1	44·3	47·8	+ 4·7	41	0	7	1·56	+ 0·67	4·6	- 6·3	9	-11
	Clifton	55	30	? 50·1	? 37·5	? 44·1	? + 4·9	? 34	? 13	? 6	1·40	+ 0·70	*	*	*	*
	Arlington (N. Devon)	53	35	49·0	39·1	44·3	+ 4·4	28	8	6	1·36	+ 0·13	*	*	*	*
	Cullompton ⚓	54	30	50·1	37·6	44·1	+ 5·3	33	12	7	1·52	+ 0·74	2·8	- 6·2	5	-11
	Falmouth	54	41	52·3	44·9	48·8	+ 5·0	48	0	7	1·13	- 0·06	7·8	- 5·2	14	- 9
	Plymouth	57	40	53·8	41·8	48·0	+ 5·9	43	1	7	1·40	+ 0·55	5·7	- 6·2	10	-11
9. IRELAND, N.	Malin Head	54	38	46·9	39·6	43·4	+ 1·8	20	7	7	1·68	?	*	*	*	*
	Londonderry	57	34	47·6	? 36·0	? 42·0	? + 2·4	? 16	? 17	7	1·45	+ 0·53	*	*	*	*
	Edenfel (Omagh)	55	29	46·6	34·3	40·7	+ 3·4	13	32	6	1·48	+ 0·66	*	*	*	*
	Blacksod Point	54	37	48·0	40·9	44·6	+ 1·5	23	3	7	2·07	?	*	*	*	*
	Markree Castle	55	30	47·9	34·3	41·4	+ 2·5	17	33	7	1·69	+ 0·76	1·4	- 6·6	3	-12
	Armagh	54	32	46·9	37·3	42·3	+ 4·0	22	13	6	1·52	+ 0·66	5·5	- 3·0	11	- 5
	Donaghadee	53	33	48·4	37·3	43·1	+ 2·5	27	13	7	1·30	+ 0·63	*	*	*	*
10. IRELAND, S.	Dublin	59	32	51·2	39·2	45·4	+ 4·3	36	8	6	0·69	+ 0·15	7·1	- 4·9	14	- 9
	Parsonstown	55	31	48·7	35·9	42·6	+ 3·2	30	17	5	1·89	+ 1·22	6·9	- 3·3	13	- 7
	Kilkenny	55	25	49·1	36·1	42·9	+ 2·5	31	17	7	1·64	+ 0·88	*	*	*	*
	Roche's Point	53	35	50·3	41·3	46·0	+ 2·4	31	2	7	2·87	+ 1·69	*	*	*	*
	Valencia	55	37	51·4	40·9	46·4	+ 1·5	35	3	7	3·21	+ 1·81	5·0	- 5·2	9	-10
	Killarney	57	31	52·6	37·8	45·5	+ 2·5	42	12	7	3·07	?	*	*	*	*
	Foynes	56	35	49·2	41·3	45·6	+ 4·4	27	1	6	2·36	?	*	*	*	*
CHANNEL ISLANDS	Scilly (St. Mary's)	56	44	53·1	46·3	49·8	+ 3·5	55	0	6	0·85	0·00	6·4	?	12	?
	Jersey	55	41	52·7	45·3	49·2	+ 6·1	50	0	7	0·59	- 0·21	10·3	- 4·5	18	- 8

Stations marked ⚓ are in connection with the Royal Meteorological Society, and those marked ⚓ with the Scottish Meteorological Society.

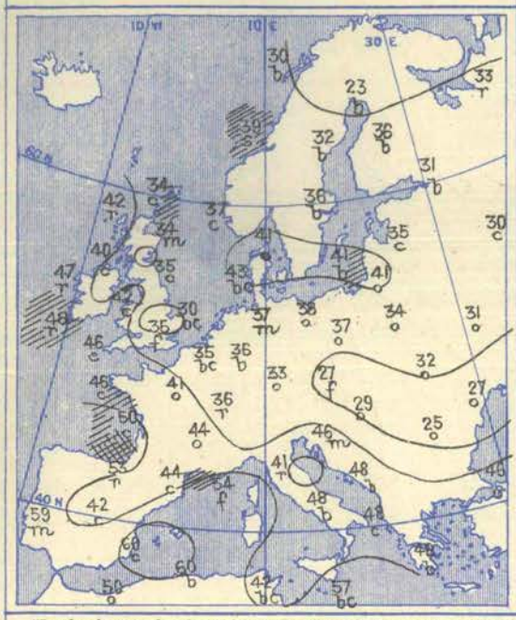
* An Asterisk is inserted in all places for which the information is not usually received.

† The Sunshine values at Braemar and Felixstowe are obtained by Jordan's Photographic Recorder. At all other stations named in this Table Stokes' or somewhat similar Bright Sunshine Recorders are in use. For London the Sunshine values are the means of observations made in the City (Bunhill Row), at the Kew Observatory, and the Wesleyan Training College, Westminster. For additional Reports of Sunshine, see last page.

NOTE.—The Bright Sunshine values entered to Dungeness are recorded at Littlestone-on-Sea and those entered to Liverpool at Hoylake.

Sunday, 23rd December.

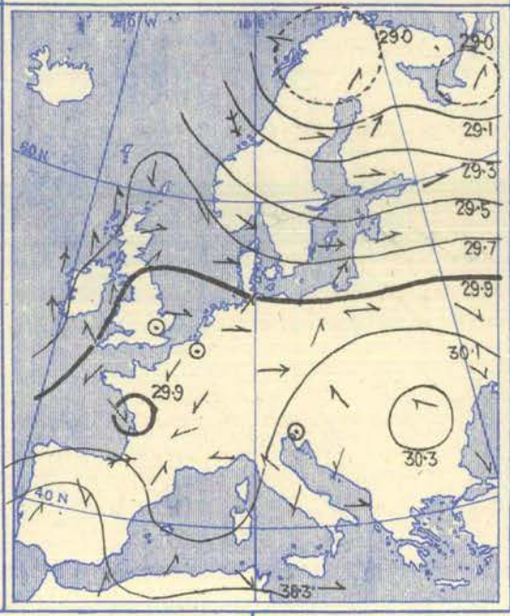
Temperature and Weather. 8 a.m.

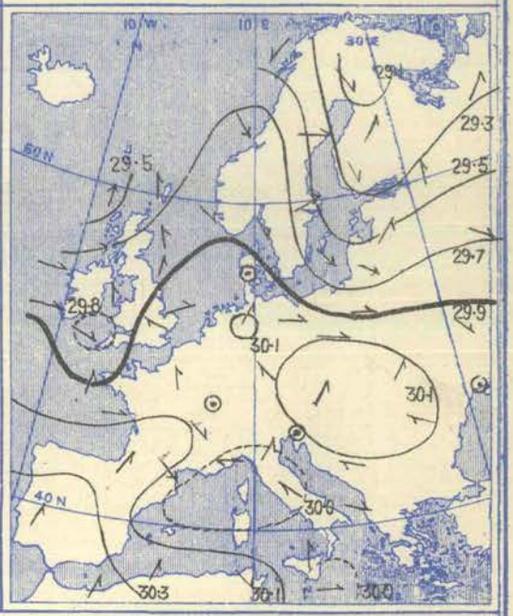


Weather in morning foggy in many parts of England, but fine on our east coasts; cloudy or dull in the west and north of our Islands, with rain in the Hebrides and the west of Ireland. Fine over northern Europe generally, but snow falling at Christiansund; fine also over Greece and southern Italy, but dull in other parts of the Continent, with rain over the greater part of France and northern Italy. Rain falling later in the west and north of our Islands generally; fog continuing over central England all day.

Temperature fallen in most countries, but risen in France and Spain. Morning readings highest, 64° at Alicante, 60° at Palma and Algiers, and 59° at Lisbon; above 50° at several of the Mediterranean stations. Lowest, (1) 23° at Haparanda and 25° at Uleaborg; (2) 25° at Hermanstadt; (3) 27° at Loughborough and 29° at Oxford. Thermometer remaining below 40° all day in most parts of England and not exceeding 34° at Loughborough. Rising to 50° or slightly above it on our extreme west and south-west coasts; exceeding 60° at several of the Mediterranean and Spanish coast stations, and reaching 66° at San Fernando.

Barometer and Wind. 8 a.m. and 6 p.m.



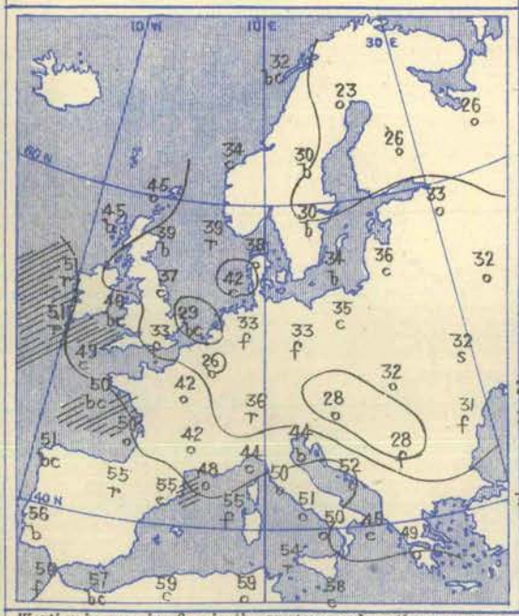


Wind Southerly or South-Easterly in the west and extreme north of our Islands and fresh in force in the west and south of Ireland. Easterly or North-Easterly over the Channel and north of France; Westerly or South-Westerly over the Spanish Peninsula and the south of France. Westerly or North-Westerly in Scandinavia and Denmark, with a gale at Christiansund; South-Westerly over Germany and Russia; Northerly or North-Easterly in Italy. Subsequently veering to the South-Westward in the north of our Islands and to the North-Westward on our extreme south-west coasts.

Barometer highest, 30·3 ins. and upwards over Morocco and the central and southern parts of Spain and also over eastern Austria, 30·1 ins. and upwards in an anticyclone covering the greater part of central and southern Europe. Lowest, 29·0 ins. and less in two depressions lying over the northern parts of Russia and Scandinavia, 29·7 ins. and less in another disturbance approaching the west of Ireland. Former depressions subsequently moving eastwards.

Monday, 24th December.

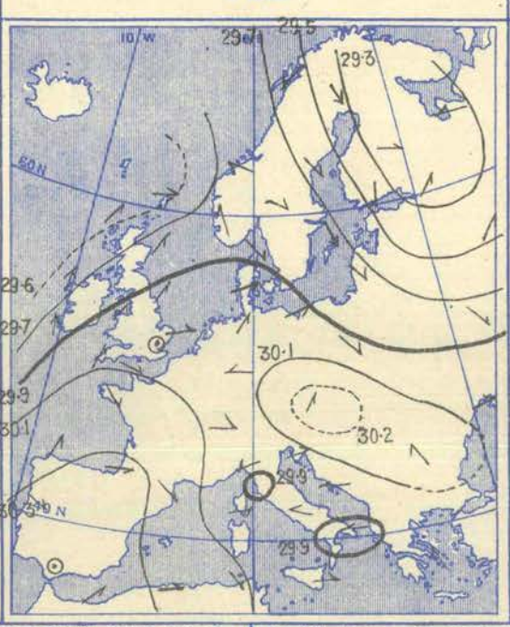
Temperature and Weather. 8 a.m.

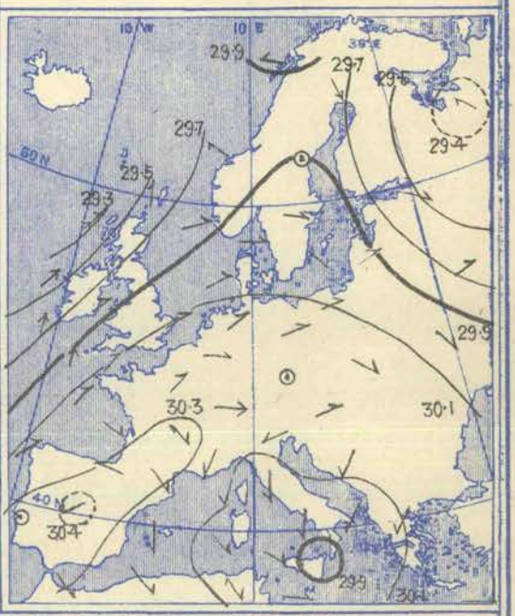


Weather in morning fine in the western and northern parts of Great Britain, dull in Ireland, with rain in the west; foggy over the eastern and central parts of England. Fine in Sweden but dull over the Continent as a whole, with fog in many parts of Holland, Germany and Austria, rain falling at Belfort and Biarritz and also at Skudesnaes. Rain falling later in most parts of the United Kingdom—heavily in the Shetlands and Hebrides.

Temperature risen over western Europe generally but fallen elsewhere. Morning readings highest, 59° at Algiers and La Calle, 58° at Malta, and 57° at Nemours, above 50° at most of the Mediterranean, Adriatic and Spanish coast stations and also in the south-west of Ireland. Lowest, 23° at Haparanda and Uleaborg, and 26° at Archangel and Kuopio: below the freezing point in most parts of northern and eastern Europe, as well as in the Netherlands, and the east of England. Daily maxima below 45° in many parts of England; thermometer at Yarmouth not exceeding 37°. Exceeding 50° on our west and south-west coasts; exceeding 55° in the west and south of France, and exceeding 60° over Spain and southern Italy.

Barometer and Wind. 8 a.m. and 6 p.m.



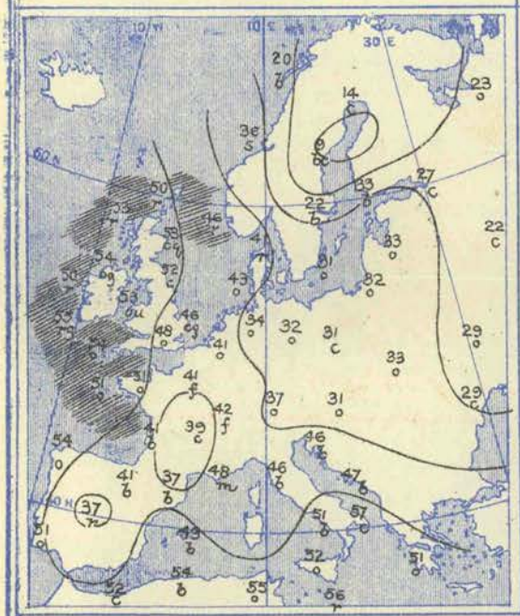


Wind Southerly or South-Westerly in our Islands and strong in force in the west of Ireland; South-Easterly in the west of Norway. Light from the North-Westward in the west and south of France; Easterly over Italy and the Adriatic. North-Westerly over Sweden and western Russia; variable in Germany and Austria. Subsequently increasing to a gale from South or South-West on many parts of our own western and northern coasts.

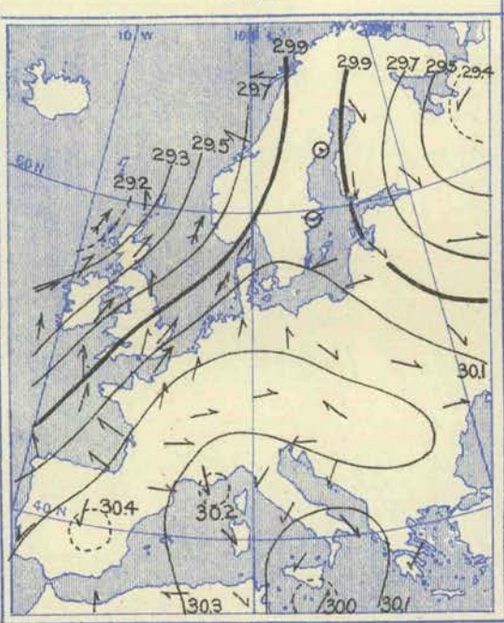
Barometer highest, 30·3 ins. and upwards over the Spanish Peninsula; 30·0 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 29·3 ins. and less in a large depression with its centre over Finland; 29·6 ins. and less in another disturbance off the north of Scotland. New and rather deep depression subsequently advancing from the Atlantic towards our own west and north-west coasts; barometer falling briskly in Ireland and Scotland.

Tuesday, 25th December.

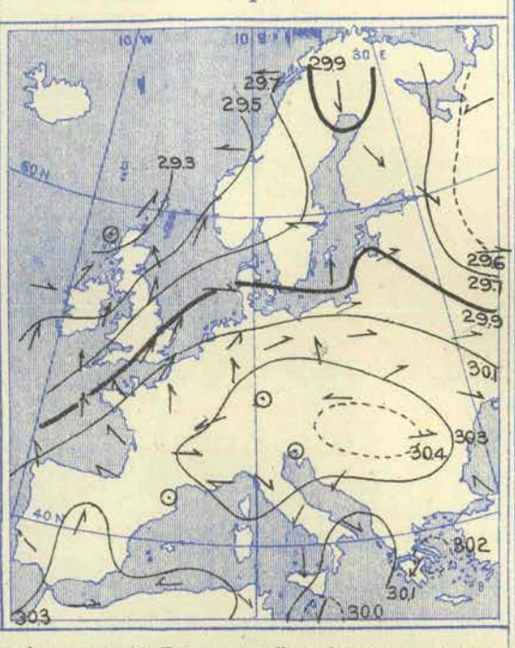
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled over the greater part of our Islands and the Continent, with rain on our own extreme western and northern coasts and also at Skudesnaes and the Scaw; snow reported at Christiansund and Karlstad. Fine in Finland and the north of Scandinavia and also over Italy and the extreme south of France. Rain falling later over nearly the whole of our Islands and the neighbouring parts of the Continent,—heavily in the south of Ireland.

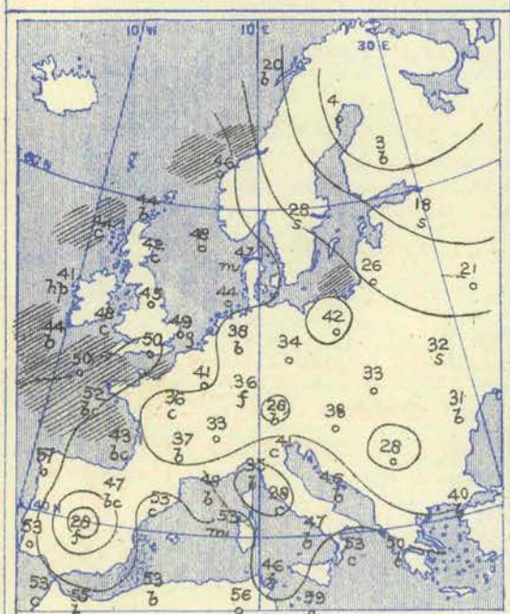
Temperature risen quickly over our Islands and the Netherlands, changed irregularly elsewhere. Morning readings highest, (1) 59° at La Calle, 57° at Brindisi, and 56° at Malta; (2) 56° at Leith, and 55° at Nairn, Parsonstown and Valencia (Ireland); above 50° in the west and north of our islands generally. Lowest, 9° at Hernösand, 10° at Uleaborg and 14° at Haparanda; below the freezing point in nearly all parts of Sweden, Russia and Austria. Rising during day to 55° and upwards at several of our own western and northern stations and to 58° at Nairn, exceeding 60° at the Mediterranean and Spanish coast stations and reaching 64° at San Fernando.

Wind Southerly or South-Westerly over western Europe generally, and strong to a gale in force in the west and north of our Islands and also in the west of Norway. South-Easterly or Easterly in the west of Norway. Calm in the Gulf of Bothnia; North-Westerly or Westerly in Russia and also in Austria; South-Easterly in the south-west of France; North-Easterly or Northerly in Spain and Italy. Subsequently veering to the South-Westward or Westward on our extreme western coasts and moderating in force.

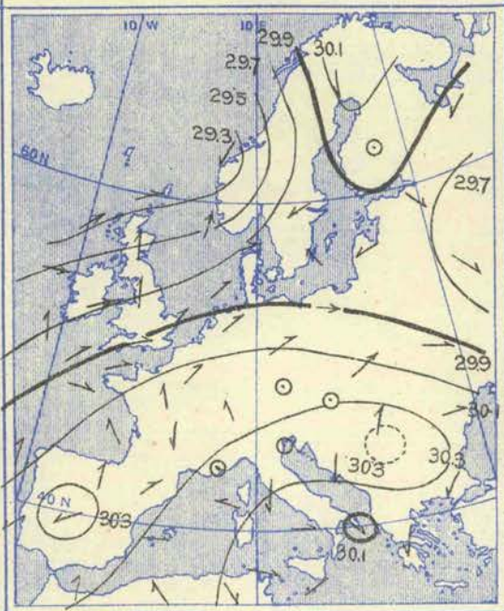
Barometer highest, 30·4 ins. and upwards over central Spain; 30·1 ins. and upwards in an anticyclone covering the whole of central and southern Europe. Lowest, 29·2 ins. and less in a depression lying off the north-west coast of Scotland; 29·4 ins. and less in another disturbance over northern Russia. Both depressions moving north-eastwards later; a secondary system appearing over our own western coast.

Wednesday, 26th December.

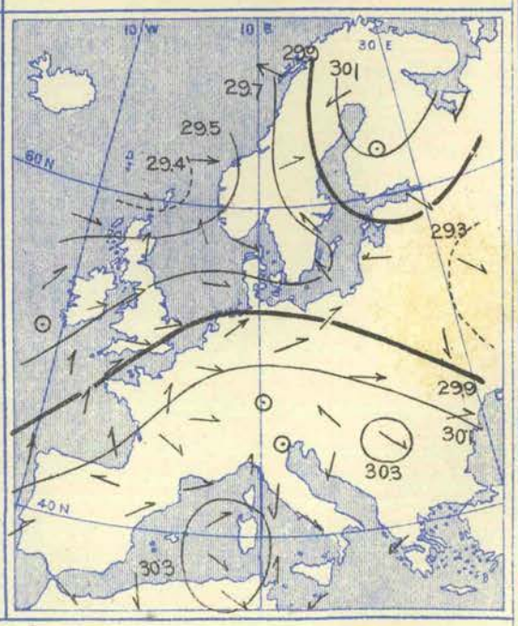
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in many parts of the United Kingdom but showery at several of our western stations. Fine also over southern Europe, but dull in other parts of the Continent, with rain at Karlstad, and snow at Stockholm, St. Petersburg and Kief; fog reported in some parts of Austria and south Germany. Rain falling later over the whole of Ireland, England and the neighbouring parts of the Continent as well as in the north of Scotland; snow reported in Sweden and Finland.

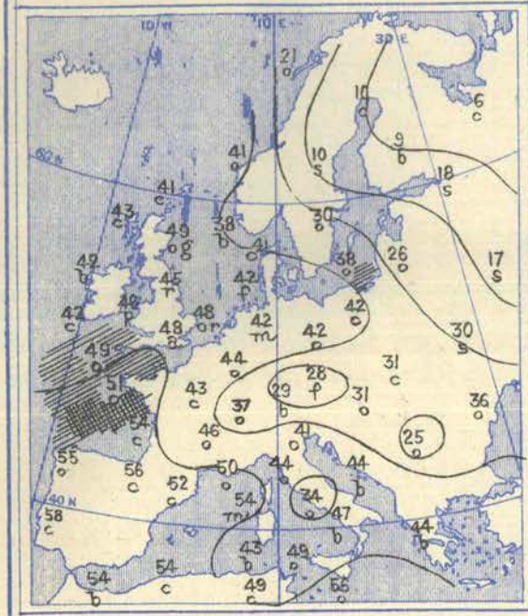
Temperature fallen in our Islands and also over northern Russia, changed rather irregularly elsewhere. Morning readings highest, 59° at Malta, 58° at Oporto, and 57° at Corunna; above 50° at some of the English Channel stations and in the north-west of France. Lowest 3° at Kuopio, 4° at Haparanda, 6° at Archangel, and 10° at Uleaborg; below the freezing point in many parts of northern, eastern and central Europe. Rising during day to 50° and upwards at most of the English stations and to 55° at Scilly and Jersey; exceeding 60° at several of the Mediterranean and Spanish coast stations, and reaching 66° at Sanguinaire.

Wind moderate to strong from the South-Westward over our Islands, the Netherlands, Denmark, and north Germany, but Easterly at most of the Scandinavian stations. Light from the Southward or South-Eastward in France. Anticyclonic airs reported over the Spanish Penisula, light North-Westerly breezes in Italy, and Northerly breezes in Greece. No important change occurring during day.

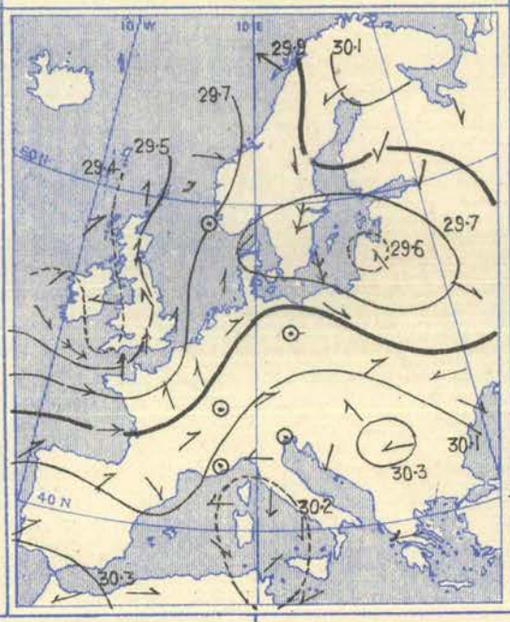
Barometer highest, 30·4 ins. and upwards over central Spain, and also over eastern Austria; 30·1 ins. and upwards in an anticyclone covering nearly the whole of central and southern Europe, and also in another system over Lapland. Lowest, 29·3 ins. and less in a large depression lying to the northward of our Islands, 29·6 ins. and less in another disturbance over central Russia. New depression beginning to approach our south-west coast in evening.

Thursday, 27th December.

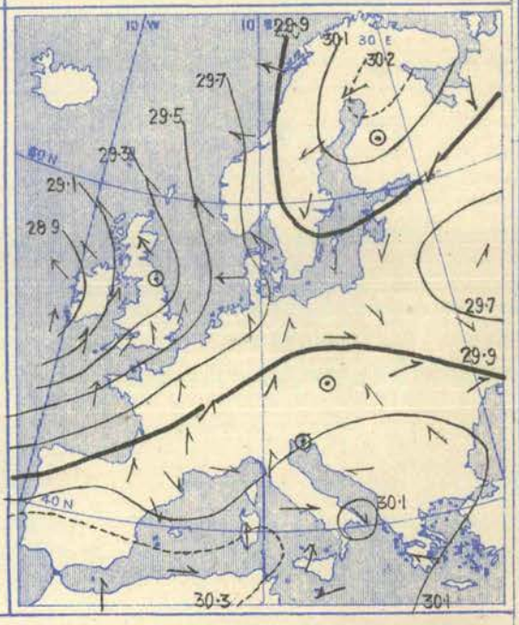
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at many of the Irish and Scotch stations, but rainy over England and the neighbouring parts of the Continent. Dull in nearly all other parts of Europe, with fog at several of the Danish, German, and Austrian stations, and with snow in many parts of Russia, and also at Hernösand. Rain falling later over nearly the whole of western and central Europe,—heavily in the south-west of our Islands and the west of France.

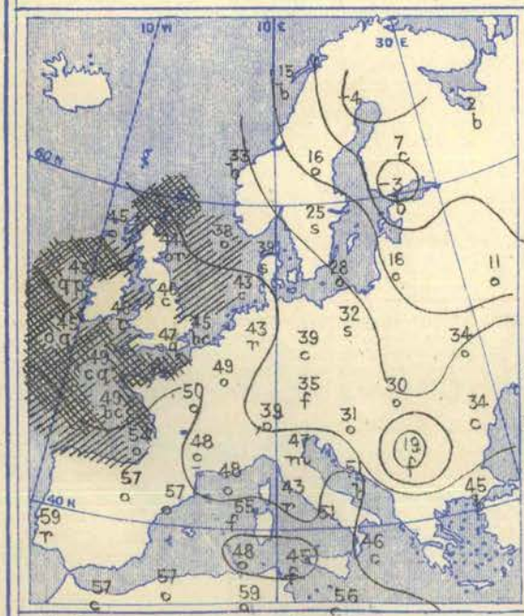
Temperature fallen generally, but risen over Spain, France, and the Netherlands. Morning readings highest, 58° at Bilbao and Lisbon, and 56° at Biarritz and Malta; above 50° in the Channel Islands and the west of France. Lowest, 6° at Archangel, 9° at Kuopio, 10° at Uleaborg, and 11° at Haparanda; below the freezing point in many parts of northern, eastern, and central Europe. Rising during day to 50° and upwards in several parts of England and the south of Ireland, and to 54° at Jersey and in London; exceeding 55° over southern Europe generally, and reaching 62° at Perpignan, and 63° at Biarritz.

Wind Southerly or South-Easterly over the greater part of the United Kingdom, but North-Westerly on our extreme south-west coast with a gale at Scilly; South-Westerly over France and the Spanish Peninsula. Northerly or North-Easterly over Sweden and northern Russia, with a gale at Stockholm and Wisby; variable over Germany, Austria, Italy, and the south of Russia. Subsequently shifting to the Southward or South-Eastward on our own extreme west and south-west coasts and increasing to a gale at night in the west of Ireland.

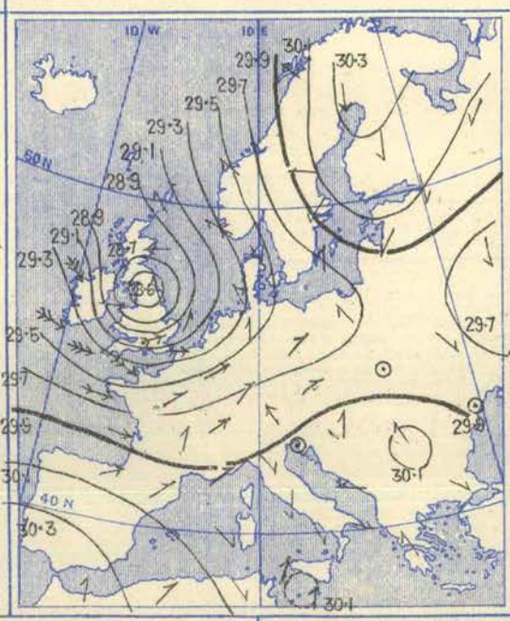
Barometer highest, 30·3 ins. and upwards over Moscow and the south of Spain, and also over eastern Austria. 30·1 ins. and upwards over nearly the whole of southern Europe, and also in Lapland. Lowest, 29·4 ins. and less in a depression with its centre over the St. George's Channel; 29·6 ins. and less in another disturbance over the Baltic provinces. Former depression subsequently moving eastwards across England; new and much deeper disturbance approaching Ireland, and barometer falling rapidly on all our western coasts.

Friday, 28th December.

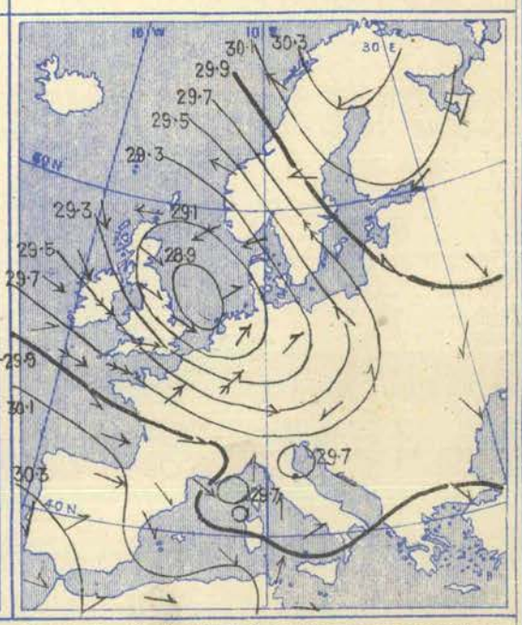
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy and unsettled over nearly the whole of Europe; rain falling in many parts of the United Kingdom as well as at several of the German stations and at Rome and Lisbon; snow reported in the south of Sweden and also at St. Petersburg and Neufahrwasser. Fine in west of Norway, and also in Greece and southern Italy. Improvement taking place later in the west and south of our islands, but rain falling in most parts of central and southern Europe, and snow in the northern countries; thunder heard at Lyons.

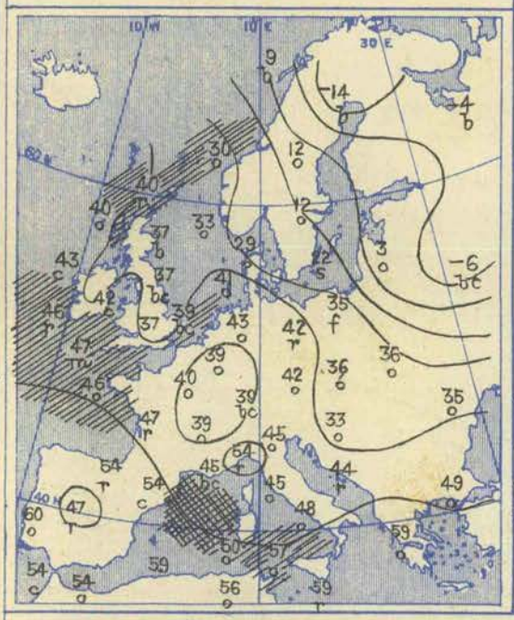
Temperature fallen a little over England and also over northern Europe generally, but risen elsewhere. Morning readings highest, 59° at Lisbon, and 57° at Biarritz, Oran, and Algiers; above 50° at most of the Mediterranean and Spanish coast stations, and very little below it on some parts of our own western and southern coasts. Lowest, −4° Fahr. at Haparanda, −3° at Helsingfors, +2° at Archangel, and 3° at Hangö; considerably below the freezing point over northern Europe generally. Rising during day to 50° or slightly above it at several of our own central and southern stations, exceeding 60° in many parts of southern Europe, and reaching 68° at Lisbon.

Wind strong to a gale from the Westward or North-Westward over the western and southern parts of our Islands and the north and west of France (gale very severe on our south-west coasts); moderate to strong from the South-Westward over the Netherlands and the east of France; South-Easterly or Easterly over Denmark, Scandinavia, and the north of Scotland, with a gale in several places. Variable over Austria and the south of Russia; Northerly or North-Westerly in Italy. Subsequently blowing a severe gale from the Westward or North-Westward over the whole of England; South-Westerly gale springing up over Denmark and the Netherlands.

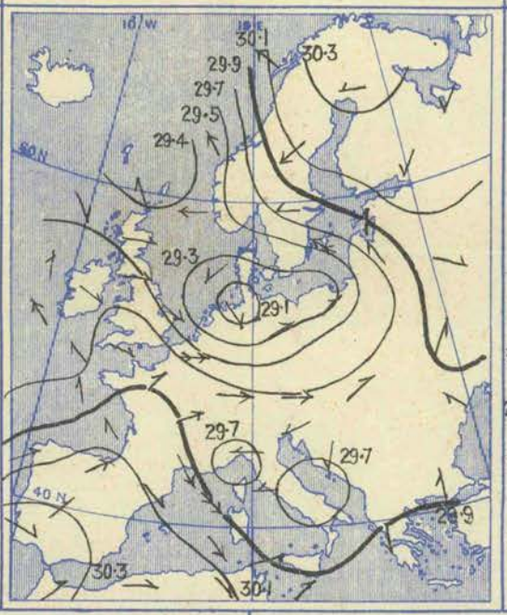
Barometer highest, 30·3 ins. and upwards in two areas, one lying over Lapland, and the other over Morocco and the southern part of the Spanish Peninsula. Lowest, 28·6 ins. and less in a deep depression with its centre over Cumberland; 29·6 ins. and less in a shallow disturbance over central Russia. Former depression subsequently moving eastward to the North Sea, and barometer rising quickly over the United Kingdom.

Saturday, 29th December.

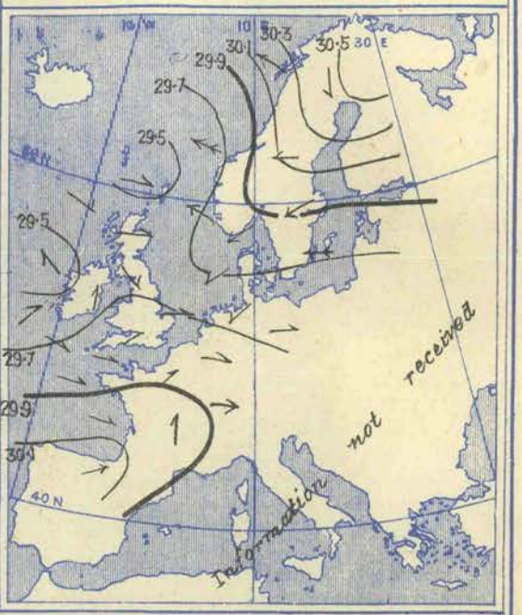
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over Lapland, Finland, and the northern half of Russia, very changeable and unsettled over the remainder of the Continent, as well as the British Islands; rain falling over Germany, the west of France, Spain and the south of Ireland. Some more rain later over France, the British Islands, and many parts of Scandinavia and Denmark, but amounts not large except at Blacksod Point and Stornoway. Weather continuing very changeable generally.

Temperature fallen over Great Britain and the Continent, rising over Ireland. Morning readings highest, 60° at Lisbon and between that value and 50° on the coasts of the Spanish Peninsula generally; 47° at Scilly, 46° at Valencia, 42° at Malin Head. Lowest, −14° Fahr. at Haparanda, −4° at Archangel, −6° at Moscow, + 7° at Kieff, 14° to 22° over the Baltic. Rising later to 50° and above on the west and south coasts of Ireland and England, in Jersey and several parts of France, to 65° at Lisbon and 66° in the Azores.

Wind varying greatly, Easterly over northern Europe, and blowing a gale in some parts of the Baltic, Westerly and strong over central Europe, North-Westerly, strong to a gale over the Mediterranean; Westerly, fresh to strong in the east of England; back to South and South-East again in the west of our Islands; Southerly over Brittany; shifting to South-West and West later in the south-west of our Islands, and becoming South-Easterly and Southerly in the north-west of Ireland.

Barometer highest, (1) 30·3 ins. and more to 29·8 ins. over northern Europe; (2) 30·3 ins. and more to 30·0 ins. over the Spanish Peninsula and south-west of France. Lowest, (1) 29·1 ins. and less in a depression over Holstein; (2) 29·7 ins. and less in a complex system over Italy and the Gulf of Genoa. Changing irregularly later, a fresh depression coming in over the west of Ireland from the Atlantic.

Explanation of Charts.—In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The prevalent winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⟶» = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines = rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, and 7 a.m. in France, Algeria, Italy, Austria and Russia; that for 6 p.m. is prepared from observations made at 6 p.m. in the British Islands and France, 7 p.m. in Algeria, 8 p.m. in Sweden and Norway, Germany, and Austria, and 9 p.m. in Russia, Belgium, and Italy. The time indicated in each case is the standard time for each country.

GENERAL NOTES.

During nearly the whole of last week a large anticyclone existed over southern Europe, the only break in these conditions occurring on the 23rd and 24th, when a shallow depression, which was formed over the western parts of the Mediterranean, moved eastwards and south-eastwards across Italy and occasioned general rains in the localities immediately affected. With this exception the weather in the south was chiefly fine and warm.

At the beginning of the week the lowest pressures were found in a cyclonic system over the north of Scandinavia, readings being relatively low in a "V"-shaped secondary which advanced eastwards over the United Kingdom. The northern depression soon moved away, however, across northern Russia, the barometer rose quickly in its rear, and a second area of high pressure was formed over the extreme north of Russia. The depressions which continued to advance from the Atlantic, and which had hitherto skirted our own northern coasts, now pursued a more southerly track, and the weather over the whole of our islands and their neighbourhood became increasingly unsettled. A shallow disturbance, which moved eastwards across the Kingdom on the 27th, was followed very quickly by a far more serious depression, the centre of which traversed the northern parts of Ireland and England on the 28th, and afterwards passed across the North Sea to north Germany and eventually to Russia. During its progress, heavy gales from the Westward (South-West to North-West) were experienced over a considerable portion of the United Kingdom, while later on the wind in Scandinavia blew almost as hard from the eastward, with a good deal of snow. At the close of the week a new, though much shallower, disturbance was advancing over Ireland, and there were consequently no signs of any material improvement in the weather

BRIGHT SUNSHINE Values for the Week, in addition to those found on page 308.

STATIONS	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.	STATIONS.	No. of Hours recorded.	Difference from the Mean for the Week.	Percentage of possible Duration.	Difference from the Mean for the Week.
DEERNESS (Orkney Islands)	3·5	?	8	?	WORTHING	11·4	?	21	?
STRATHPEFFER SPA	2·6	− 4·4	6	−10	BOGNOR	9·7*	?	18*	?
EDINBURGH					WATERGATE (Emsworth)	8·3	?	15	?
MORPETH	0·0	?	0	?	WESTBOURNE (Emsworth)	8·7*	− 3·1	16*	− 5
NEWCASTLE-ON-TYNE	3·4	?	7	?	VENTNOR HOSPITAL	8·0	?	15	?
OSWALDKIRK (Yorkshire)	1·3	− 6·8	3	−13	SOUTHPORT	6·3	?	13	?
YORK					RHYL	14·6*	?	28*	?
LOWESTOFT	13·6	?	26	?	COLWYN BAY	5·8	?	11	?
HOLLESLEY BAY	10·8	?	20	?	ABERDOVEY	10·6*	?	20*	?
SHEFFIELD	7·5	?	14	?	TENBY				
WORKSOP	6·0	− 1·7	12	− 2	BATH	4·4	?	8	?
THURCASTON (Leicestershire)	6·4	− 0·6	12	− 1	NEWQUAY				
MARGATE	8·2	− 2·4	15	− 4	TORQUAY	7·6	− 4·4	14	− 8
EASTBOURNE	9·6	− 3·2	18	− 5	GUERNSEY	9·2*	− 1·6	16*	− 2
BRIGHTON	11·1	− 0·4	21	0					

* The values at Bognor, Westbourne, Rhyl, Aberdovey and Guernsey are obtained by Jordan's Photographic Recorder.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1900.

VOL. XVII. APPENDIX I. *New Series.* FIRST QUARTER—JANUARY TO MARCH. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FIRST QUARTER OF THE THIRTY-FIVE YEARS, 1866 TO 1900.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866-70	—	12·6	—	9·6	—	5·4	—	5·7	—	6·9	—	8·5	—	7·2	—	12·6	—	11·8	—	13·7	—	11·8	—	11·0	—	12·2	—	—	—	9·7
	Means for 5 years, 1871-75	—	9·1	—	7·8	—	4·9	—	4·4	—	6·6	—	7·1	—	6·2	—	11·1	—	10·4	—	13·7	—	9·5	—	10·5	—	11·0	—	—	—	8·6
	Means for 5 years, 1876-80	—	9·5	—	7·2	—	5·3	—	5·7	—	6·2	—	7·2	—	6·3	—	11·2	—	9·5	—	9·9	—	9·2	—	10·0	—	10·0	—	—	—	8·2
	Means for 5 years, 1881-85	65	9·9	49	6·2	45	5·2	44	5·1	45	6·4	43	6·4	45	5·9	58	12·5	50	8·8	53	9·7	61	9·4	58	11·9	56	10·5	57	8·2	51	8·2
	Means for 5 years, 1886-90	66	12·2	52	6·2	47	5·2	47	4·7	43	5·2	44	5·4	47	5·3	53	10·7	50	6·9	49	8·3	56	8·4	50	9·5	52	8·8	57	7·1	50	7·1
	1891	65	14·7	38	5·1	43	3·7	43	3·8	37	4·1	38	5·8	40	4·5	47	9·2	35	4·4	38	6·8	49	5·5	42	5·6	42	6·3	43	6·2	41	5·4
	1892	63	11·2	46	5·5	47	4·4	49	4·0	44	4·0	38	3·7	45	4·3	47	8·0	46	6·3	47	6·4	49	5·9	45	7·6	47	6·8	52	6·9	47	5·6
	1893	65	12·8	51	5·9	44	4·5	49	5·2	48	5·0	48	5·9	48	5·3	57	10·0	49	6·4	49	8·7	59	7·8	50	8·7	53	8·3	56	7·3	52	6·8
	1894	68	21·1	56	11·0	51	5·4	47	4·2	54	5·8	49	6·3	51	6·5	64	18·6	56	9·9	56	10·5	64	12·3	61	10·9	60	12·4	56	7·7	56	9·5
	1895	59	9·8	48	6·4	58	7·5	52	5·6	42	5·4	41	4·7	48	5·9	48	6·7	48	6·7	46	8·1	56	7·7	48	9·5	49	7·7	55	7·3	49	6·8
	Means for 5 years, 1891-95	64	13·9	48	6·8	49	5·1	48	4·6	45	4·9	43	5·3	47	5·3	53	10·5	47	6·7	47	8·1	55	7·8	49	8·5	50	8·3	52	7·1	49	6·8
	1896	68	17·8	50	4·8	39	4·1	47	4·9	45	4·3	42	4·4	45	4·5	61	12·1	53	8·3	50	6·9	56	9·2	51	8·8	54	9·1	53	4·9	50	6·8
	1897	65	11·0	57	6·9	59	6·4	57	6·9	54	7·9	52	9·2	56	7·5	58	11·0	61	7·9	65	13·0	66	9·6	61	11·8	62	10·7	70	11·6	59	9·1
	1898	77	18·7	52	4·8	44	3·4	41	3·5	39	2·9	37	3·5	43	3·6	62	10·5	50	7·3	48	6·0	61	7·8	44	6·6	53	7·6	56	4·4	48	5·6
	1899	60	13·7	53	8·4	48	5·3	46	4·6	44	6·8	38	5·9	46	6·2	57	13·1	51	8·9	49	12·5	62	8·9	51	12·5	54	11·2	48	8·1	50	8·7
	1900	66	11·7	54	8·8	54	7·8	55	7·5	50	8·6	50	9·3	53	8·4	54	12·2	52	9·2	56	13·5	60	8·2	56	9·9	55	10·6	65	12·4	54	9·5
	Means for 5 years, 1896-00	67	14·6	53	6·7	49	5·4	49	5·5	46	6·1	44	6·5	48	6·0	58	11·8	53	8·3	54	10·4	61	8·7	53	9·9	56	9·8	58	8·3	52	7·9
	Means for 35 years, 1866-00	—	11·7	—	7·2	—	5·2	—	5·1	—	6·0	—	6·6	—	6·0	—	11·5	—	8·9	—	10·5	—	9·3	—	10·2	—	10·1	—	—	—	8·1
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866-70	38°8		39°1		38°9		39°9		39°9		40°7		39°7		40°1		40°5		43°1		40°6		42°1		41°3		—		40°5	
	Means for 5 years, 1871-75	40·2		40·0		39·7		39·9		40·5		41·2		40·3		40·8		41·6		44·0		41·6		43·7		42·3		—		41·3	
	Means for 5 years, 1876-80	38·6		38·2		39·2		39·4		39·8		40·6		39·4		39·9		40·2		43·2		40·8		43·6		41·5		—		40·5	
	Means for 5 years, 1881-85	38·8		38·9		39·4		39·8		39·9		41·4		39·9		40·2		40·5		42·7		41·3		43·1		41·6		44·9		44·8	
	Means for 5 years, 1886-90	38·1		38·0		38·3		37·4		37·8		38·8		38·1		39·3		38·9		40·2		40·5		41·8		40·1		43·2		39·1	
	1891	38·4		38·0		37·9		37·4		38·0		38·4		37·9		39·6		39·5		40·2		40·8		42·3		40·5		43·1		39·2	
	1892	36·3		36·1		36·9		36·3		36·6		38·3		36·8		37·9		37·9		39·7		39·2		40·3		39·0		43·0		37·9	
	1893	38·8		38·8		40·2		39·8		40·3		41·3		40·1		40·7		41·2		42·8		42·2		43·8		42·1		46·0		41·1	
	1894	39·2		38·8		39·8		40·0		40·4		41·8		40·2		41·0		42·0		42·7		41·8		43·6		42·2		45·5		41·2	
	1895	34·3		32·5		34·9		34·4		33·6		35·3		34·1		34·8		35·0		36·4		36·5		38·4		36·2		39·9		35·2	
	Means for 5 years, 1891-95	37·4		36·8		37·9		37·6		37·8		39·0		37·8		38·8		39·1		40·4		40·1		41·7		40·0		43·5		38·9	
	1896	40·9		40·4		41·2		40·9		41·4		42·7		41·3		42·3		42·5		43·9		43·4		45·5		43·5		46·7		42·4	
	1897	37·5		37·4		39·4		39·8		39·8		41·7		39·6		39·5		40·4		42·5		40·6		42·8		41·2		45·7		40·4	
	1898	40·1		40·3		41·1		40·5		40·7		42·2		41·0		42·0		42·1		43·0		42·7		44·3		42·8		45·8		41·9	
	1899	38·4		38·0		40·3		41·1		40·7		42·7		40·6		40·6		41·8		43·4		41·7		43·8		42·3		46·8		41·5	
	1900	36·6		35·9		37·6		38·1		37·8		39·9		37·9		38·2		38·6		40·7		39·0		40·1		39·3		44·6		38·6	
	Means for 5 years, 1896-00	38·7		38·4		39·9		40·1		40·1		41·8		40·1		40·5		41·1		42·7		41·5		43·3		41·8		45·9		41·0	
	Means for 35 years, 1866-00	38·7		38·5		39·1		39·1		39·4		40·5		39·3		40·0		40·2		42·3		40·9		42·8		41·2		—		40·3	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY-FIVE YEARS, 1866 TO 1900.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 3·6 in 1898	Ins. 6·3 in 1891	Ins. 5·4 in 1891
	Wettest	9·0 in 1872	14·9 in 1872	12·0 in 1872
Temperature	Coldest	34°1 in 1895	36°2 in 1895	38°2 in 1895
	Warmest	42·8 in 1882	44·6 in 1882	43·7 in 1882

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE FIRST QUARTER, 1900.

YEAR AND MONTHS	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the &c. Grazing, Districts.					
	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Jan. -	25	25	21	21	17	17	20	20	19	19	19	19	19	19	26	26	22	22	25	25	27	27	25	25	25	25	27	27	22	22
Feb. -	20	45	16	37	21	38	19	39	18	37	19	38	19	38	17	43	17	39	17	42	18	45	17	42	17	42	20	47	18	40
Mar. -	21	66	17	54	16	54	16	55	13	50	12	50	15	53	11	54	13	52	14	56	15	60	14	56	13	55	18	65	14	54
RAINFALL.—AMOUNTS IN INCHES.																														
Jan. -	7·18	7·18	3·45	3·45	2·04	2·04	2·72	2·72	3·29	3·29	3·22	3·22	2·94	2·94	7·09	7·09	4·31	4·31	5·76	5·76	4·19	4·19	4·44	4·44	5·16	5·16	5·21	5·21	4·05	4·05
Feb. -	2·70	9·88	2·72	6·17	3·12	5·16	3·63	6·35	3·80	7·09	4·57	7·79	3·57	6·51	3·70	10·79	3·52	7·83	5·59	11·35	2·81	7·00	3·69	8·13	3·86	9·02	4·73	9·94	3·72	7·77
Mar. -	1·77	11·65	2·58	8·75	2·60	7·76	1·19	7·54	1·55	8·64	1·47	9·26	1·88	8·39	1·37	12·16	1·41	9·24	2·12	13·47	1·18	8·18	1·79	9·92	1·57	10·59	2·45	12·39	1·73	9·50
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																														
Jan. -	19	19	24	24	32	32	36	36	41	41	67	67	40	40	41	41	39	39	88	88	58	58	98	98	65	65	153	153	53	53
Feb. -	0	19	0	24	8	40	31	67	29	70	34	101	20	60	4	45	14	53	39	127	10	68	30	128	19	84	76	229	20	73
Mar. -	23	42	27	51	18	58	39	106	29	99	71	172	37	97	39	84	26	79	64	191	40	108	57	185	45	129	109	338	41	114
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																														
Jan. -	106	106	114	114	98	98	112	112	103	103	80	80	102	102	73	73	69	69	44	44	75	75	59	59	64	64	0	0	83	83
Feb. -	274	380	286	400	217	315	196	308	225	328	164	245	218	320	219	292	203	272	146	190	183	260	177	236	186	250	53	53	202	285
Mar. -	182	562	208	608	148	463	153	461	163	491	114	359	157	477	163	455	137	409	118	308	137	397	130	366	137	387	42	95	147	432
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Jan. -	21	21	37	37	42	42	45	45	37	37	48	48	42	42	39	39	38	38	54	54	59	59	53	53	49	49	53	53	46	46
Feb. -	66	87	67	104	57	99	68	113	65	102	70	118	65	107	69	108	73	111	88	142	91	150	104	157	85	134	75	128	75	121
Mar. -	108	195	92	196	81	180	119	232	76	178	100	218	94	201	110	218	105	216	108	250	85	235	99	256	101	235	119	247	98	219
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Jan. -	10	8	18	14	20	19	20	22	16	16	21	21	19	19	19	18	17	18	23	27	27	27	24	23	22	23	23	25	21	21
Feb. -	27	17	27	22	22	20	25	20	25	20	26	21	25	21	27	22	28	20	33	27	36	32	40	31	33	26	27	21	29	24
Mar. -	26	21	23	22	19	19	29	22	18	20	24	22	23	21	27	24	25	22	26	26	21	27	24	29	25	26	29	24	24	23

1900.

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884–99. The whole of the values for 1878–00, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the monthly values for *January* are those for the first four weeks in the year; those for *February* are for the fifth to the eighth weeks; those for *March* are for the ninth to the thirteenth weeks.

The figures given in the columns headed "From Dec. 31/99" are the values for the whole period of 13 weeks elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1900.

VOL. XVII. APPENDIX I.] *New Series.* SECOND QUARTER—APRIL TO JUNE. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE SECOND QUARTER OF THE THIRTY-FIVE YEARS, 1866 TO 1900.

	YEARS.	0. SCOTLAND, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.															
				1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZING, &c. DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866-70	—	8·8	—	5·7	—	5·5	—	4·5	—	5·3	—	5·1	—	5·2	—	7·1	—	6·5	—	7·0	—	7·5	—	7·2	—	7·1	—	—	—	6·2
	Means for 5 years, 1871-75	—	8·5	—	6·5	—	5·5	—	5·5	—	6·4	—	6·4	—	6·1	—	7·3	—	7·4	—	7·9	—	7·5	—	6·2	—	7·3	—	—	—	6·7
	Means for 5 years, 1876-80	—	6·3	—	6·9	—	7·1	—	7·2	—	7·7	—	7·1	—	7·2	—	8·5	—	7·8	—	9·0	—	8·3	—	9·8	—	8·7	—	—	—	8·0
	Means for 5 years, 1881-85	51	6·7	44	5·2	43	5·8	39	5·9	41	6·5	38	5·6	41	5·8	47	8·1	42	7·0	44	7·2	52	7·2	46	7·7	46	7·4	45	5·6	44	6·6
	Means for 5 years, 1886-90	54	7·0	43	5·7	40	4·8	41	5·1	41	6·4	40	5·7	41	5·5	45	8·8	41	6·5	42	6·3	46	7·1	46	7·5	44	7·3	46	5·9	43	6·4
	1891	45	6·3	36	4·4	35	4·3	41	5·5	43	6·7	38	4·8	39	5·1	36	5·0	39	5·9	42	7·2	46	6·1	45	8·4	42	6·5	41	6·2	41	5·8
	1892	59	9·1	51	6·4	51	7·3	42	6·1	38	5·5	31	3·7	43	5·8	49	10·0	50	8·3	37	4·6	56	9·6	46	8·0	47	8·1	37	4·8	45	7·0
	1893	41	5·2	36	5·1	28	3·2	22	2·3	23	3·1	20	1·7	26	3·1	30	5·4	27	4·2	21	3·0	33	4·9	30	4·8	28	4·5	17	2·1	27	3·8
	1894	47	6·1	49	6·6	54	7·2	48	7·1	45	5·8	44	5·8	48	6·5	53	8·3	55	7·0	51	7·5	56	8·0	53	9·7	54	8·1	53	6·7	51	7·3
	1895	49	8·9	38	4·9	32	4·1	27	2·9	28	4·1	26	2·9	30	3·8	40	4·7	30	4·4	26	4·3	42	4·3	33	4·6	34	4·5	31	3·6	32	4·2
	Means for 5 years, 1891-95	48	7·1	42	5·5	40	5·2	36	4·8	35	5·1	32	3·8	37	4·9	42	6·7	40	6·0	35	5·3	46	6·6	41	7·1	41	6·3	36	4·7	39	5·6
	1896	54	9·0	42	5·0	37	3·2	33	3·8	30	3·8	28	3·0	34	3·8	37	6·3	35	4·4	24	2·8	44	6·1	34	3·8	35	4·7	29	2·8	35	4·3
	1897	49	8·7	47	8·0	39	5·4	39	5·3	40	6·7	35	5·4	40	6·2	54	9·9	47	8·0	44	8·0	55	10·6	53	10·0	51	9·3	49	6·3	46	7·7
	1898	57	9·9	50	7·0	50	6·2	46	6·7	48	6·6	46	6·2	48	6·5	55	8·7	49	8·8	47	8·9	64	9·4	51	10·3	53	9·2	50	7·6	51	7·9
	1899	51	8·9	52	8·4	47	7·1	40	6·0	42	6·4	37	5·3	44	6·6	51	12·1	48	8·5	43	8·1	52	10·0	46	8·7	48	9·5	41	6·3	46	8·1
	1900	58	10·0	49	6·0	39	4·9	42	5·0	41	5·5	37	5·1	42	5·3	54	11·9	44	6·6	45	8·5	59	9·4	53	9·7	51	9·2	43	5·0	47	7·3
	Means for 5 years, 1896-00	54	9·3	48	6·9	42	5·4	40	5·4	40	5·8	37	5·0	41	5·7	50	9·8	45	7·3	41	7·3	55	9·1	47	8·5	48	8·4	42	5·6	45	7·1
	Means for 35 years, 1866-00	—	7·7	—	6·0	—	5·6	—	5·5	—	6·2	—	5·5	—	5·8	—	8·0	—	6·9	—	7·2	—	7·6	—	7·7	—	7·5	—	—	—	6·7
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866-70	48°5		50°4		49°8		52°7		53°1		53°1		51°8		51°3		51°8		53°9		52°5		53°0		52°5		—		52°2	
	Means for 5 years, 1871-75	48·2		49·8		49·6		51·0		52·0		52·1		50·9		51·1		51·3		53·0		51·6		53·3		52·1		—		51·5	
	Means for 5 years, 1876-80	47·2		48·9		49·4		51·1		51·3		51·9		50·5		50·2		50·5		52·0		50·1		52·0		51·0		—		50·8	
	Means for 5 years, 1881-85	46·8		49·5		50·0		51·8		51·8		52·9		51·2		50·0		50·8		51·6		50·6		51·6		50·9		52·7		51·1	
	Means for 5 years, 1886-90	47·6		49·2		49·5		51·4		51·5		52·6		50·8		50·1		50·8		51·9		50·7		52·1		51·1		52·8		51·0	
	1891	47·5		48·2		48·8		50·7		50·8		52·3		50·2		50·1		50·5		51·5		50·5		51·7		50·9		53·0		50·6	
	1892	46·8		48·2		49·6		51·6		51·6		52·5		50·7		49·6		50·8		51·8		50·6		52·2		51·0		53·6		50·9	
	1893	51·0		52·0		52·0		54·2		55·3		56·3		54·0		53·6		54·9		56·5		54·8		56·1		55·2		57·6		54·6	
	1894	48·4		48·3		49·3		51·5		51·4		53·2		50·7		50·0		51·2		52·1		50·5		52·2		51·2		53·8		51·0	
	1895	49·2		50·3		50·8		52·3		53·0		53·5		52·0		51·6		52·2		53·2		52·0		53·1		52·4		54·0		52·2	
	Means for 5 years, 1891-95	48·6		49·4		50·1		52·1		52·4		53·6		51·5		51·0		51·9		53·0		51·7		53·1		52·1		54·4		51·8	
	1896	49·8		51·7		51·8		52·6		53·4		54·2		52·7		52·5		53·5		54·4		53·1		54·4		53·6		55·4		53·2	
	1897	47·4		48·3		49·6		52·1		52·0		53·7		51·1		49·9		51·2		53·1		50·0		52·5		51·3		54·4		51·2	
	1898	48·4		49·2		49·9		51·4		51·3		52·6		50·9		50·7		51·3		52·2		51·0		52·4		51·5		53·7		51·2	
	1899	47·7		48·6		49·9		51·7		51·8		53·3		51·1		50·2		51·5		52·9		50·9		52·9		51·7		54·7		51·4	
	1900	48·6		49·2		50·4		51·9		51·7		52·5		51·1		51·0		51·3		51·9		51·4		52·7		51·7		51·7		51·4	
	Means for 5 years, 1896-00	48·4		49·4		50·3		51·9		52·0		53·3		51·4		50·9		51·8		52·9		51·3		53·0		52·0		54·0		51·7	
	Means for 35 years, 1866-00	47·9		49·5		49·8		51·7		52·0		52·8		51·2		50·6		51·3		52·6		51·3		52·6		51·7		—		51·5	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY-FIVE YEARS, 1866 TO 1900.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 3·1 in 1870 and 1893	Ins. 4·2 in 1887	Ins. 3·8 in 1893
	Wettest	9·4 in 1879	10·3 in 1872 and 1878 10·2 in 1879 and 1882	9·8 in 1879
Temperature	Coldest	48°4 in 1879	48°1 in 1879 and 1885	48°8 in 1879
	Warmest	54·0 in 1868 and 1893	55·2 in 1893	54·6 in 1893

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE SECOND QUARTER, 1900.

YEAR AND MONTHS	0. Scotland, N.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
			1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.
1900.																														
Rainfall.—Numbers of Days with Rain.																														
April	20	86	17	71	12	66	11	66	12	62	11	61	13	66	19	73	15	67	13	69	19	79	14	70	16	71	14	79	15	69
May	18	104	14	85	9	75	10	76	12	74	10	71	11	77	15	88	11	78	14	83	17	96	15	85	14	85	10	89	13	82
June	20	124	18	103	18	93		97	17	91	16	87	18	95	20	108	18	96	18	101	23	119	24	109	21	106	19	108	20	102
Rainfall.—Amounts in Inches.																														
April	4·18	15·83	1·70	10·45	1·05	8·81	1·03	8·57	0·93	9·57	0·95	10·21	1·13	9·52	3·33	15·49	2·04	11·28	1·64	15·11	2·51	10·69	2·13	12·05	2·33	12·92	1·18	13·57	1·73	11·23
May	2·78	18·61	1·64	12 09	1·01	9·82	1·24	9·81	2·09	11·66	1·31	11·52	1·46	10·98	3·81	19·30	1·92	13·20	2·71	17·82	2·87	13·56	3·02	15·07	2·87	15·79	1·64	15·21	2·17	13·40
June	3·02	21·63	2·61	14·70	2·81	12·63	2·68	12·49	2·46	14·12	2·85	14·37	2·63	13·65	4·72	24·02	2·61	15·81	4·10	21·92	4·05	17·61	4·58	19·65	4·01	19·80	2·22	17·43	3·35	16·75
Accumulated Heat.—Day Degrees above 42° F.																														
April	113	155	151	202	142	200	171	277	188	287	182	353	167	264	148	230	148	227	177	368	159	267	198	383	166	295	210	548	167	281
May	154	309	177	379	192	392	225	502	209	496	242	595	209	473	201	431	197	424	216	584	198	465	241	624	211	506	295	843	210	491
June	396	705	402	781	460	852	542	1044	528	1024	542	1137	495	958	488	919	513	937	511	1095	489	954	511	1135	502	1008	561	1404	499	990
Accumulated Heat.—Day Degrees below 42° F.																														
April	56	618	66	674	47	511	59	520	60	551	26	384	52	529	45	499	37	444	21	329	18	415	7	373	26	412	2	97	39	471
May	21	639	23	697	7	518	10	530	16	567	5	389	12	541	7	506	8	452	7	336	0	415	0	373	4	416	0	97	8	479
June	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	415	0	373	0	416	0	97	0	479
Bright Sunshine.—Numbers of Hours.																														
April	116	311	134	330	140	320	179	411	159	337	179	397	158	359	142	360	161	377	175	424	129	364	129	385	147	382	195	445	153	372
May	128	439	121	451	109	429	167	578	124	461	165	562	137	496	158	518	160	537	193	617	132	496	156	541	160	542	224	669	149	521
June	169	608	161	612	167	596	222	800	195	656	242	804	197	693	212	730	231	768	213	830	224	720	211	752	218	760	251	920	208	729
Bright Sunshine.—Percentages of possible Duration.																														
April	30	25	35	26	36	23	46	28	41	26	47	28	41	26	37	27	42	28	46	30	34	29	34	30	39	29	51	32	40	28
May	29	26	27	27	25	25	39	32	29	29	39	32	32	29	36	30	36	31	45	35	30	30	36	31	37	31	53	39	35	30
June	27	28	27	27	28	26	39	33	34	30	43	34	34	30	36	32	40	34	38	37	39	32	37	34	38	34	45	43	36	32

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884–99. The whole of the values for 1878–1900, however, have been corrected by information which may have been received since they were first published.

TABLE II. In this Table the monthly values for *April* are those for the fourteenth to the seventeenth weeks in the year; those for *May* are for the eighteenth to the twenty-first weeks; those for *June* are for the twenty-second to the twenty-sixth weeks.

The figures given in the columns headed "From Dec. 31/99" are the values for the whole period of 13 weeks elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1900.

VOL. XVII. APPENDIX I.] *New Series.* THIRD QUARTER—JULY TO SEPTEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE THIRD QUARTER OF THE THIRTY-FIVE YEARS, 1866 TO 1900.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866-70	—	10·6	—	8·8	—	6·3	—	6·1	—	7·4	—	7·3	—	7·2	—	10·9	—	9·9	—	10·1	—	9·8	—	8·6	—	9·8	—	—	—	8·6
	Means for 5 years, 1871-75	—	13·1	—	10·7	—	8·4	—	7·5	—	9·1	—	8·0	—	8·7	—	13·2	—	12·9	—	14·1	—	12·2	—	10·8	—	12·6	—	—	—	10·7
	Means for 5 years, 1876-80	—	9·0	—	8·9	—	9·2	—	9·0	—	10·1	—	8·7	—	9·2	—	11·7	—	12·3	—	11·6	—	11·1	—	10·7	—	11·5	—	—	—	10·4
	Means for 5 years, 1881-85	56	7·8	51	7·9	46	7·3	45	7·4	45	7·5	44	6·6	46	7·3	53	11·8	49	9·8	52	10·0	60	10·3	53	10·2	53	10·4	54	7·6	50	8·9
	Means for 5 years, 1886-90	60	10·3	51	7·4	46	7·6	45	7·3	43	6·8	40	6·9	45	7·2	51	10·9	47	9·3	46	9·1	58	10·3	50	9·1	50	9·7	46	7·1	48	8·5
	1891 - -	71	15·9	59	11·7	51	8·8	51	8·5	52	7·9	52	9·0	53	9·2	62	14·9	55	13·8	56	12·9	66	11·3	56	11·0	59	12·8	51	9·7	56	11·0
	1892 - -	66	15·0	51	8·3	44	6·6	40	8·2	46	7·5	44	8·4	45	7·8	53	15·5	53	12·1	51	10·0	62	12·0	53	13·2	54	12·5	43	7·2	50	10·2
	1893 - -	70	15·7	55	8·1	49	6·8	45	5·9	43	6·0	43	7·0	47	6·8	53	11·3	54	10·4	47	9·9	60	11·2	52	8·7	53	10·3	51	9·8	50	8·6
	1894 - -	53	10·5	48	8·9	49	6·2	54	7·6	44	6·8	51	9·2	49	7·7	40	7·3	44	8·0	52	10·7	54	6·8	45	8·8	47	8·3	54	11·9	48	8·0
	1895 - -	63	14·0	51	9·6	44	7·9	34	0·3	40	6·6	37	6·8	41	7·8	54	12·7	46	9·3	40	8·3	57	10·9	49	10·1	49	10·3	39	5·7	45	9·1
	Means for 5 years, 1891-95	65	14·2	53	9·3	47	7·3	45	7·7	45	7·0	45	8·1	47	7·9	52	12·3	50	10·7	49	10·4	60	10·4	51	10·4	52	10·8	48	8·9	50	9·4
	1896 - -	59	13·5	59	9·3	52	6·9	49	8·2	51	8·3	46	9·1	51	8·4	60	13·9	55	11·3	49	10·0	64	13·5	56	12·7	57	12·3	50	9·6	54	10·4
	1897 - -	58	12·2	53	7·7	42	7·4	41	6·9	42	7·4	41	6·6	44	7·2	55	11·9	47	10·0	53	11·7	59	10·5	56	11·0	54	11·0	53	9·1	49	9·1
	1898 - -	57	13·1	43	6·5	30	3·8	21	2·9	25	4·2	19	2·8	28	4·0	49	11·1	40	7·2	29	5·4	51	8·9	42	9·0	42	8·3	34	3·7	35	6·2
	1899 - -	55	12·2	47	7·6	38	5·6	34	5·2	33	5·1	28	5·4	36	5·8	54	10·1	47	8·9	38	6·7	56	8·3	44	8·3	48	8·5	33	4·8	42	7·2
	1900 - -	60	12·9	50	9·6	35	7·3	32	5·5	31	6·1	29	4·1	35	6·5	57	14·7	42	9·5	43	6·6	52	8·8	41	9·7	47	9·9	40	4·3	41	8·2
	Means for 5 years, 1896-00	58	12·8	50	8·1	39	6·2	35	5·7	36	6·2	33	5·6	39	6·4	55	12·3	46	9·4	42	8·1	56	10·0	48	10·1	49	10·0	42	6·3	44	8·2
	Means for 35 years, 1866-00	—	11·1	—	8·7	—	7·5	—	7·3	—	7·7	—	7·3	—	7·7	—	11·9	—	10·6	—	10·5	—	10·6	—	10·0	—	10·7	—	—	—	9·2
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866-70	° 54·4		° 57·1		° 57·0		° 59·7		° 59·7		° 60·1		° 58·7		° 57·9		° 59·0		° 61·0		° 58·5		° 59·5		° 59·2		° —		° 59·0	
	Means for 5 years, 1871-75	54·5		56·7		57·5		59·7		59·6		60·0		58·7		57·7		58·5		60·4		57·2		58·8		58·5		—		58·6	
	Means for 5 years, 1876-80	54·1		56·4		57·6		59·6		59·3		60·3		58·6		57·2		58·1		59·9		56·8		59·0		58·2		—		58·4	
	Means for 5 years, 1881-85	53·1		56·3		57·3		59·0		58·2		59·9		58·1		55·9		57·2		58·1		56·2		57·2		56·9		59·8		57·6	
	Means for 5 years, 1886-90	52·8		55·1		56·7		58·7		57·9		59·6		57·6		55·4		57·0		58·2		56·1		57·6		56·9		60·1		57·3	
	1891 - -	54·0		55·7		57·0		58·4		57·5		59·2		57·6		56·1		57·4		57·4		56·6		57·3		57·0		59·8		57·3	
	1892 - -	52·1		53·5		55·4		57·6		56·5		59·2		56·4		54·4		56·2		57·6		55·1		57·0		56·1		60·6		56·3	
	1893 - -	55·0		56·3		58·4		60·5		60·2		61·7		59·4		57·3		59·9		60·4		58·1		59·5		59·0		62·7		59·2	
	1894 - -	54·5		55·1		56·5		58·0		57·2		59·3		57·2		55·5		57·2		57·6		55·9		56·7		56·6		60·1		56·9	
	1895 - -	55·4		56·9		59·4		60·8		60·0		61·7		59·8		57·2		59·3		59·8		57·5		58·3		58·4		62·4		59·1	
	Means for 5 years, 1891-95	54·2		55·5		57·3		59·1		58·3		60·2		58·1		56·1		58·0		58·6		56·6		57·8		57·4		61·1		57·8	
	1896 - -	53·8		55·1		57·6		59·4		58·3		60·9		58·3		56·1		58·1		59·4		56·1		58·1		57·6		61·8		58·0	
	1897 - -	54·9		55·9		57·4		59·3		58·6		60·9		58·4		56·6		58·3		59·2		56·8		58·1		57·8		61·3		58·1	
	1898 - -	54·9		56·9		58·7		60·6		60·1		62·3		59·7		57·4		59·2		60·7		58·1		60·3		59·1		63·2		59·4	
	1899 - -	56·0		57·0		59·1		61·6		61·2		63·4		60·5		57·7		59·9		62·3		58·5		60·3		59·7		64·4		60·1	
	1900 - -	55·0		55·9		58·7		61·4		60·0		61·7		59·5		56·8		58·8		60·1		57·5		59·0		58·4		62·6		59·0	
	Means for 5 years, 1896-00	54·9		56·2		58·3		60·5		59·6		61·8		59·3		56·9		58·9		60·3		57·4		59·2		58·5		62·7		58·9	
	Means for 35 years, 1866-00	54·0		56·2		57·4		59·5		58·9		60·3		58·5		56·7		58·1		59·5		57·0		58·4		57·9		—		58·2	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY-FIVE YEARS, 1866 TO 1900.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 4·0 in 1898	Ins. 6·4 in 1870	Ins. 5·7 in 1870
	Wettest	10·6 in 1879	14·2 in 1872	12·4 in 1879
Temperature	Coldest	° 55·7 in 1888	° 55·5 in 1888	° 55·6 in 1888
	Warmest	60·9 in 1868	60·8 in 1868	60·9 in 1868

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE THIRD QUARTER, 1900.

YEAR AND MONTHS	0. SCOTLAND, N.		Principal Wheat-producing Districts.												Principal Grazing, &c. Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
			1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE &C. GRAZING, DISTRICTS.					
	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31 99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.
1900.																														
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
July -	23	147	18	121	11	104	9	106	9	100	6	93	11	106	20	128	11	107	11	112	18	137	12	121	14	120	12	120	13	115
August -	15	162	15	136	16	120	15	121	16	116	14	107	15	121	18	146	18	125	18	130	17	154	17	138	18	138	16	136	17	132
Sept. -	22	184	17	153	8	128	8	129	6	122	9	116	10	131	19	165	13	138	14	144	17	171	12	150	15	153	12	148	13	145
RAINFALL.—AMOUNTS IN INCHES.																														
July -	3·54	25·17	3·13	17·83	1·53	14·16	1·22	13·71	1·47	15·59	0·79	15·16	1·63	15·29	3·07	27·09	1·54	17·35	1·02	22·94	2·17	19·78	2·49	22·14	2·06	21·86	1·05	18·49	1·85	18·60
August -	3·27	28·44	4·01	21·84	5·07	19·23	3·39	17·10	3·97	19·56	2·43	17·59	3·77	19·06	6·03	33·12	5·82	23·17	3·87	25·81	3·98	23·76	5·46	27·60	5·03	26·89	1·86	20·35	4·40	23·00
Sept. -	6·06	34·50	2·46	24·30	0·73	19·96	0·87	17·97	0·68	20·24	0·91	18·50	1·13	20·19	5·61	38·73	2·13	25·30	1·74	28·55	2·67	26·43	1·71	29·31	2·77	29·66	1·42	21·77	1·95	24·95
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																														
July -	402	1107	461	1242	547	1399	626	1670	598	1621	625	1762	571	1539	475	1394	543	1480	530	1655	475	1430	531	1666	517	1525	612	2016	544	1534
August -	378	1485	384	1626	445	1844	524	2194	498	2119	545	2307	479	2018	415	1809	465	1945	504	2159	438	1868	474	2140	459	1984	567	2583	470	2004
Sept. -	370	1855	380	2006	484	2328	562	2756	490	2609	579	2886	499	2517	423	2232	487	2432	536	2695	458	2326	516	2656	481	2468	669	3252	492	2496
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																														
July -	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
August -	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
Sept. -	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
July -	107	715	134	746	181	777	270	1070	228	883	264	1068	215	908	136	866	195	963	229	1059	147	855	149	901	171	929	260	1180	193	921
August -	121	836	117	863	126	903	181	1251	160	1043	213	1281	159	1067	123	989	159	1122	229	1288	134	989	161	1062	161	1090	249	1432	160	1081
Sept. -	124	960	151	1014	153	1056	190	1441	166	1209	238	1519	180	1247	160	1149	206	1328	218	1506	158	1147	196	1258	188	1278	272	1704	184	1265
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
July -	22	27	28	27	40	27	61	36	51	33	60	37	48	32	29	32	43	35	52	39	32	32	33	33	38	34	60	45	43	33
August -	28	26	28	27	30	29	44	38	39	35	53	40	39	34	29	32	38	35	56	41	32	32	39	34	39	35	62	48	39	35
Sept. -	27	26	34	28	35	29	43	38	37	35	54	42	41	34	36	32	46	36	49	42	36	32	44	35	42	35	61	49	42	35

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884-99. The whole of the values for 1878-1900, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *July* are those for the twenty-seven to the thirtieth weeks in the year; those for *August* are for the thirty-first to the thirty-fourth weeks; those for *September* are for the thirty-fifth to the thirty-ninth weeks.

The figures given in the columns headed "From Dec. 31/99" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for "the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

QUARTERLY SUMMARY OF THE WEEKLY WEATHER REPORT, 1900.

VOL. XVII. APPENDIX I.] *New Series.* FOURTH QUARTER—OCTOBER TO DECEMBER. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE, FOR THE FOURTH QUARTER OF THE THIRTY-FIVE YEARS, 1866 TO 1900.

	YEARS.	0. Scotland, N.		Principal Wheat-producing Districts.										Principal Grazing, &c. Districts.										Channel Islands.		Means for the British Islands generally.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat-producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for the Grazing, &c. Districts.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in Inches).	Means for 5 years, 1866-70	—	18·4	—	8·8	—	7·7	—	7·4	—	7·6	—	8·3	—	8·0	—	12·9	—	14·7	—	14·0	—	12·6	—	10·5	—	13·1	—	—	—	10·6
	Means for 5 years, 1871-75	—	17·2	—	10·4	—	7·7	—	7·2	—	7·9	—	9·9	—	8·6	—	13·1	—	13·3	—	16·3	—	11·1	—	12·1	—	13·2	—	—	—	10·9
	Means for 5 years, 1876-80	—	13·8	—	9·1	—	8·1	—	7·2	—	8·1	—	9·5	—	8·4	—	12·8	—	12·0	—	14·1	—	11·0	—	11·3	—	12·2	—	—	—	10·3
	Means for 5 years, 1881-85	68	12·7	54	7·2	55	7·3	59	8·8	55	8·6	52	8·9	55	8·2	58	15·8	56	11·0	62	13·7	64	11·8	61	11·8	60	12·8	67	12·4	58	10·5
	Means for 5 years, 1886-90	71	15·0	57	8·5	53	7·3	51	6·6	50	7·2	52	8·8	53	7·7	58	15·3	59	10·7	62	13·6	64	12·1	59	12·6	60	12·9	69	11·9	57	10·3
	1891	61	15·9	51	9·7	52	7·8	62	9·0	60	11·4	62	13·6	57	10·3	60	20·8	58	14·2	64	18·2	64	12·4	61	16·5	61	16·4	66	14·6	59	13·4
	1892	65	14·5	53	8·0	55	7·3	49	8·9	48	6·1	47	8·6	50	7·8	57	13·0	56	10·5	57	10·1	68	10·5	59	11·3	59	11·1	63	10·3	55	9·5
	1893	76	24·2	57	8·2	52	5·9	55	7·7	50	6·7	51	8·9	53	7·5	65	16·4	61	10·4	56	12·1	65	10·1	57	10·4	61	11·9	61	9·2	57	9·7
	1894	66	15·8	48	7·4	54	7·0	56	7·7	53	8·9	52	10·8	53	8·4	62	15·3	58	11·4	55	16·2	60	10·9	53	14·1	58	13·6	58	12·3	56	11·0
	1895	66	16·6	58	10·6	55	8·2	52	7·4	53	8·6	56	10·5	55	9·1	53	14·2	59	11·9	65	16·6	63	12·7	62	13·8	60	13·8	74	15·3	58	11·5
	Means for 5 years, 1891-95	67	17·4	53	8·8	54	7·2	55	8·1	53	8·3	54	10·5	54	8·6	59	15·9	58	11·7	59	14·6	64	11·3	58	13·2	60	13·3	64	12·3	57	11·0
	1896	71	15·9	62	10·4	68	11·1	61	8·0	58	8·2	57	9·3	61	9·4	58	13·1	57	11·2	63	14·0	62	10·4	58	11·5	60	12·0	76	12·9	61	10·7
	1897	59	14·7	47	7·7	43	5·2	37	3·9	42	6·0	37	5·5	41	5·7	55	14·4	44	11·2	44	11·0	54	10·4	49	15·0	49	12·4	46	8·9	45	9·1
	1898	71	24·4	59	11·4	52	8·5	48	7·2	50	8·3	48	9·2	51	8·9	62	16·1	63	10·5	64	15·3	69	11·7	64	13·5	64	13·4	68	12·7	58	11·2
	1899	67	18·5	48	8·6	40	6·3	38	6·6	35	6·9	34	8·4	39	7·4	59	16·6	41	9·3	45	11·4	58	11·2	50	13·2	51	12·3	46	9·9	45	9·9
	1900	76	22·3	71	12·8	60	9·2	60	5·9	61	8·3	59	8·8	62	9·0	72	23·6	64	13·4	69	15·9	71	15·2	67	18·8	69	17·4	71	13·2	66	13·2
	Means for 5 years, 1896-00	69	19·2	57	10·2	53	8·1	49	6·3	49	7·5	47	8·2	51	8·1	61	16·8	54	11·1	57	13·5	63	11·8	58	14·4	59	13·5	61	11·3	55	10·8
	Means for 35 years, 1866-00	—	16·2	—	9·0	—	7·6	—	7·4	—	7·9	—	9·2	—	8·2	—	14·7	—	12·1	—	14·4	—	11·7	—	12·3	—	13·0	—	—	—	10·6
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866-70	° 42·1		° 42·1		° 42·5		° 43·6		° 43·4		° 44·2		° 43·2		° 43·2		° 43·8		° 47·0		° 44·0		° 45·2		° 44·6		° —		° 43·9	
	Means for 5 years, 1871-75	42·4		41·8		42·7		42·9		42·8		43·6		42·8		42·7		43·6		46·3		43·3		45·4		44·3		—		43·6	
	Means for 5 years, 1876-80	41·7		41·6		42·3		42·9		42·4		44·2		42·7		42·9		43·7		47·1		43·6		45·6		44·6		—		43·7	
	Means for 5 years, 1881-85	42·6		42·0		43·4		43·4		43·0		45·1		43·4		43·5		44·1		46·5		43·9		45·6		44·7		49·1		44·1	
	Means for 5 years, 1886-90	42·1		41·8		42·6		42·3		42·1		44·1		42·6		43·6		43·6		45·2		44·2		45·5		44·0		48·7		43·5	
	1891	42·0		40·8		42·3		43·6		42·5		45·6		43·0		43·4		43·7		45·9		43·3		44·8		44·2		49·4		43·6	
	1892	40·2		39·1		40·9		41·5		40·5		43·5		41·1		41·5		42·1		44·5		42·9		44·6		43·1		48·2		42·1	
	1893	41·9		42·0		44·0		43·9		43·4		45·3		43·7		44·1		45·3		46·0		44·0		45·5		45·0		49·4		44·4	
	1894	44·0		42·7		44·7		45·5		45·2		47·4		45·1		45·6		46·7		48·0		45·6		47·3		46·6		51·2		45·9	
	1895	41·2		40·5		43·0		43·8		42·9		46·0		43·2		43·0		44·2		46·6		43·0		45·3		44·4		51·0		43·8	
	Means for 5 years, 1891-95	41·9		41·0		43·0		45·7		42·9		45·6		43·2		43·5		44·4		46·2		43·8		45·5		44·7		49·8		44·0	
	1896	41·2		40·5		41·9		41·8		40·9		43·5		41·7		42·1		42·5		43·3		42·2		43·3		42·7		47·5		42·2	
	1897	43·2		42·9		45·0		44·4		44·2		47·4		44·8		45·8		46·6		48·1		46·2		48·4		47·0		51·5		45·9	
	1898	44·3		44·2		47·0		47·4		46·7		49·3		46·9		46·8		48·1		49·5		47·1		48·8		48·1		52·7		47·5	
	1899	44·0		42·8		43·9		44·0		42·9		46·2		44·0		44·7		44·8		47·0		46·1		47·6		46·0		51·1		45·0	
	1900	43·4		43·2		46·1		46·7		46·0		48·3		46·1		45·3		46·9		48·2		45·5		47·4		46·7		52·2		46·4	
	Means for 5 years, 1896-00	43·2		42·7		44·8		44·9		44·1		46·9		44·7		44·9		45·8		47·2		45·4		47·1		46·1		51·0		45·4	
	Means for 35 years, 1866-00	42·3		41·9		43·0		43·4		43·0		44·8		43·2		43·5		44·1		46·5		44·0		45·7		44·8		—		44·0	

TABLE Ia.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST CORRESPONDING QUARTERS FOR THE THIRTY-FIVE YEARS, 1866 TO 1900.

		Wheat Districts.	Grazing, &c. Districts.	Generally.
Rainfall	Driest	Ins. 3·4 in 1879	Ins. 5·0 in 1879	Ins. 4·2 in 1879
	Wettest	13·1 in 1872	18·6 in 1872	15·9 in 1872
Temperature	Coldest	° 40·3 in 1887	° 41·9 in 1887	° 41·1 in 1887
	Warmest	46·9 in 1898	48·1 in 1898	47·5 in 1898

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TABLE II.—SHOWING THE RAINFALL, ACCUMULATED TEMPERATURE, AND BRIGHT SUNSHINE FOR EACH MONTH, AND THE PROGRESSIVE VALUES FROM THE COMMENCEMENT OF THE YEAR, FOR THE FOURTH QUARTER, 1900.

YEAR AND MONTHS	0. Scotland, N.		Principal Wheat-producing Districts.										Means for Wheat-producing Districts.		Principal Grazing, &c. Districts.										Means for the Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
			1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.				6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.							
	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.	For the Month.	From Dec. 31/99.
RAINFALL.—NUMBERS OF DAYS WITH RAIN.																														
Oct. -	23	207	21	174	20	148	16	145	18	140	13	129	18	149	22	187	21	159	18	162	23	194	18	168	20	173	16	164	19	164
Nov. -	22	229	21	195	20	168	22	167	21	161	20	149	21	170	21	208	19	178	22	184	20	214	21	189	21	194	26	190	21	185
Dec. -	31	260	29	224	20	188	22	189	22	183	26	175	24	194	29	237	24	202	29	213	28	242	28	217	28	222	29	219	26	211
RAINFALL.—AMOUNTS IN INCHES.																														
Oct. -	6·06	40·56	3·57	27·87	4·56	24·52	1·65	19·62	2·41	22·65	1·48	19·98	2·73	22·92	6·53	45·26	4·98	30·28	3·42	31·97	4·35	30·78	4·45	33·76	4·75	34·41	1·75	23·52	3·74	28·69
Nov. -	4·91	45·47	3·97	31·84	2·29	26·81	2·35	21·97	2·71	25·36	3·57	23·55	2·98	25·90	6·17	51·43	3·72	34·00	5·44	37·41	5·10	35·88	6·01	39·77	5·29	39·70	4·85	28·37	4·14	32·83
Dec. -	11·33	56·80	5·22	37·06	2·36	29·17	1·89	23·86	3·20	28·56	3·73	27·28	3·28	29·18	10·85	62·28	4·65	38·65	7·08	44·49	5·72	41·60	8·37	48·14	7·33	47·03	5·57	33·94	5·31	38·14
ACCUMULATED HEAT.—DAY DEGREES ABOVE 42° F.																														
Oct. -	136	1991	147	2153	205	2533	247	2992	211	2820	269	3149	216	2728	161	2393	216	2650	263	2958	187	2513	234	2890	212	2680	379	3631	214	2710
Nov. -	79	2070	73	2226	113	2646	153	3145	129	2949	181	3330	130	2858	93	2486	129	2779	166	3124	104	2617	148	3038	128	2808	269	3900	129	2839
Dec. -	93	2163	98	2324	142	2788	130	3275	141	3090	168	3498	136	2994	138	2624	152	2931	184	3308	137	2754	188	3226	160	2968	281	4181	148	2987
ACCUMULATED HEAT.—DAY DEGREES BELOW 42° F.																														
Oct. -	33	672	32	729	9	527	7	537	13	580	0	389	12	553	12	518	1	453	0	336	8	424	1	374	4	420	0	97	8	487
Nov. -	66	738	80	809	29	556	26	563	39	619	16	405	38	591	41	559	29	482	29	365	48	472	37	411	37	457	0	97	38	525
Dec. -	74	812	80	889	29	585	51	614	38	654	15	420	43	634	18	577	15	497	17	382	32	504	28	439	21	478	0	97	32	557
BRIGHT SUNSHINE.—NUMBERS OF HOURS.																														
Oct. -	71	1031	75	1089	81	1136	123	1565	103	1312	115	1634	99	1346	81	1230	80	1408	124	1630	86	1230	104	1362	95	1373	126	1830	97	1362
Nov. -	41	1072	41	1130	37	1173	65	1630	47	1359	55	1689	49	1395	45	1275	50	1458	65	1695	54	1284	51	1413	53	1426	50	1880	51	1413
Dec. -	20	1092	29	1159	28	1201	50	1680	38	1397	48	1737	39	1434	23	1298	37	1495	39	1734	27	1311	46	1459	34	1460	54	1934	37	1450
BRIGHT SUNSHINE.—PERCENTAGES OF POSSIBLE DURATION.																														
Oct. -	25	26	25	28	27	29	41	39	35	35	38	42	33	35	28	32	27	35	41	42	29	32	36	35	32	35	42	50	33	35
Nov. -	18	26	18	27	15	29	27	38	19	35	21	41	20	34	19	31	21	34	26	41	23	31	21	34	22	34	19	48	21	34
Dec. -	9	25	13	27	11	28	18	37	14	33	17	39	15	33	10	30	14	33	14	40	10	30	18	33	13	33	19	46	14	33

1900.

EXPLANATION OF TABLES.

TABLES I. and IA. are merely in continuation of the Tables given in the Quarterly Summaries of the Weekly Weather Reports, 1884–99. The whole of the values for 1878–1900, however, have been corrected by information received since they were first published.

TABLE II. In this Table the monthly values for *October* are those for the fortieth to the forty-third weeks in the year; those for *November* are for the forty-fourth to the forty-seventh weeks; those for *December* are for the forty-eighth to the fifty-second weeks.

The figures given in the columns headed "From Dec. 31/99" are the values for the whole period elapsed since the beginning of the first week of the year.

In the "Means for the Wheat Districts" the values for District 0, and in the "Means for the Grazing, &c. Districts" the values for the "Channel Islands" are not included.

The Means for the British Islands generally are those for the Wheat Districts and Grazing Districts combined.

SUMMARY OF THE WEEKLY WEATHER REPORT, 1900.

VOL. XVII. APPENDIX I.] *New Series.* VALUES FOR THE WHOLE YEAR. [*Price 4d.*

TABLE I.—SUMMARY OF RAINFALL AND MEAN TEMPERATURE FOR THE WHOLE YEAR DURING THE THIRTY-FIVE YEARS, 1866 TO 1900.

	YEARS.	Principal Wheat-producing Districts.												Principal Grazing, &c., Districts.												CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
		0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT-PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR THE GRAZ-ING, &C. DISTRICTS.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
RAINFALL (in inches).	Means for 5 years, 1866-70	—	50·4	—	32·9	—	25·0	—	23·8	—	27·3	—	29·2	—	27·6	—	43·5	—	42·9	—	45·4	—	41·7	—	37·4	—	42·2	—	—	—	34·9
	Means for 5 years, 1871-75	—	47·8	—	35·4	—	26·5	—	24·6	—	30·1	—	31·4	—	29·6	—	44·7	—	44·0	—	52·0	—	40·3	—	39·6	—	44·1	—	—	—	36·9
	Means for 5 years, 1876-80	—	38·6	—	32·0	—	29·8	—	29·0	—	32·2	—	32·5	—	31·1	—	44·2	—	41·4	—	44·6	—	39·6	—	41·9	—	42·3	—	—	—	36·7
	Means for 5 years, 1881-85	241	37·1	198	26·4	188	25·5	187	27·2	186	29·0	177	27·4	187	27·1	216	48·1	198	36·6	211	40·7	236	38·6	217	41·7	216	41·1	222	33·8	202	34·1
	Means for 5 years, 1886-90	251	44·3	203	27·7	187	24·9	184	23·7	176	25·6	177	26·8	185	25·7	207	45·7	197	33·3	200	37·4	223	37·9	204	38·7	206	38·6	217	32·0	196	32·2
	1891	242	52·8	184	30·9	181	24·6	197	26·8	192	30·1	190	33·2	188	29·1	205	49·9	186	38·3	200	45·1	225	35·3	204	41·5	203	42·0	201	36·7	197	35·[illegible]
	1892	253	49·8	201	28·2	197	25·6	180	27·2	176	23·1	160	24·4	183	25·7	206	46·5	205	37·2	192	31·1	232	38·0	203	40·1	208	38·6	195	29·2	196	32·[illegible]
	1893	252	57·9	199	27·3	173	20·4	171	21·1	164	20·8	162	23·5	174	22·6	205	43·1	191	31·1	173	33·7	217	34·0	189	32·6	195	35·0	185	28·4	185	28·[illegible]
	1894	234	53·5	201	33·9	208	25·8	205	26·6	196	27·4	196	32·1	201	29·2	219	49·5	213	36·3	214	44·9	234	38·0	212	43·5	218	42·4	221	38·6	210	35·[illegible]
	1895	237	49·3	195	31·5	189	27·7	165	24·2	163	24·7	160	24·9	174	26·6	196	38·3	183	32·3	177	37·3	218	35·6	192	38·0	193	36·3	199	31·9	184	31·[illegible]
	Means for 5 years, 1891-95	244	52·7	196	30·4	190	24·8	184	25·2	178	25·2	174	27·6	184	26·6	206	45·5	196	35·1	191	38·4	225	36·2	200	39·1	204	38·9	200	33·0	194	32·[illegible]
	1896	252	56·2	213	29·5	196	25·3	190	24·9	184	24·6	173	25·8	191	26·0	216	45·4	200	35·2	186	33·7	226	39·2	199	36·8	205	38·1	208	30·2	198	32·[illegible]
	1897	231	48·6	204	30·3	183	24·4	174	23·0	178	28·0	168	26·7	180	26·5	222	47·5	199	37·1	206	43·7	234	41·1	219	47·8	215	43·4	218	35·9	201	35·[illegible]
	1898	262	66·1	204	29·7	176	21·9	156	20·3	162	22·0	150	21·7	170	23·1	228	46·4	202	33·8	188	35·6	245	37·8	202	39·4	213	38·6	208	28·4	192	30·[illegible]
	1899	233	53·3	200	33·0	173	24·3	158	22·4	154	25·2	137	25·0	164	26·0	221	51·9	187	35·6	175	38·7	228	38·4	191	42·7	200	41·5	169	29·1	182	33·[illegible]
	1900	260	56·9	224	37·2	188	29·2	189	23·9	183	28·5	175	27·3	192	29·2	237	62·4	202	38·7	213	44·5	242	41·6	217	48·1	222	47·1	219	33·9	207	38·[illegible]
	Means for 5 years, 1896-00	248	55·8	209	31·9	183	25·0	173	22·9	172	25·7	161	25·3	180	25·2	225	50·7	198	36·1	194	39·2	235	39·3	206	43·0	212	41·7	204	31·5	196	34·[illegible]
	Means for 35 years, 1866-00	—	46·7	—	31·0	—	25·9	—	25·2	—	27·8	—	28·6	—	27·7	—	46·1	—	38·5	—	42·5	—	39·1	—	40·2	—	41·3	—	—	—	34·[illegible]
MEAN TEMPERATURE (in Degrees Fahrenheit).	Means for 5 years, 1866-70	° 45·9		° 47·2		° 47·1		° 49·0		° 49·1		° 49·5		° 48·4		° 48·1		° 48·8		° 51·3		° 48·9		° 50·0		° 49·4		° —		° 48·9	
	Means for 5 years, 1871-75	46·3		47·1		47·4		48·4		48·8		49·3		48·2		48·1		48·6		50·9		48·4		50·3		49·3		—		48·8	
	Means for 5 years, 1876-80	45·4		46·3		47·1		48·3		48·2		49·3		47·8		47·6		48·1		50·6		47·9		50·1		48·9		—		48·4	
	Means for 5 years, 1881-85	45·3		46·6		47·5		48·5		48·2		49·8		48·1		47·4		48·2		49·7		48·0		49·4		48·5		51·6		48·3	
	Means for 5 years, 1886-90	45·2		46·1		46·8		47·4		47·3		48·8		47·3		47·1		47·6		48·9		47·9		49·3		48·2		51·2		47·8	
	1891	45·5		45·7		46·5		47·5		47·2		48·9		47·2		47·3		47·8		48·8		47·8		49·0		48·1		51·3		47·7	
	1892	43·9		44·2		45·7		46·8		46·3		48·4		46·3		45·9		46·8		48·4		47·0		48·5		47·3		51·4		46·8	
	1893	46·7		47·3		48·7		49·6		49·8		51·2		49·3		48·9		50·3		51·4		49·8		51·2		50·3		53·9		49·8	
	1894	46·5		46·2		47·6		48·8		48·6		50·4		48·3		48·0		49·3		50·1		48·5		50·0		49·2		52·7		48·8	
	1895	45·0		45·1		47·0		47·8		47·4		49·1		47·3		46·7		47·7		49·0		47·3		48·8		47·9		51·8		47·6	
	Means for 5 years, 1891-95	45·5		45·7		47·1		48·1		47·9		49·6		47·7		47·4		48·4		49·5		48·1		49·5		48·6		52·2		48·2	
	1896	46·4		46·9		48·1		48·7		48·5		50·3		48·5		48·3		49·2		50·3		48·7		50·3		49·4		52·9		49·0	
	1897	45·8		46·1		47·9		48·9		48·7		50·9		48·5		48·0		49·1		50·7		48·4		50·5		49·3		53·2		48·9	
	1898	46·9		47·7		49·2		50·0		49·7		51·6		49·6		49·2		50·2		51·4		49·7		51·5		50·4		53·9		50·0	
	1899	46·5		46·6		48·3		49·6		49·2		51·4		49·0		48·3		49·5		51·4		49·3		51·2		49·9		54·3		49·5	
	1900	45·9		46·1		48·2		49·5		48·9		50·6		48·7		47·8		48·9		50·2		48·4		49·8		49·0		53·4		48·9	
	Means for 5 years, 1896-00	46·3		46·7		48·3		49·3		49·0		51·0		48·9		48·3		49·4		50·8		48·9		50·6		49·6		53·5		49·3	
	Means for 35 years, 1866-00	45·7		46·5		47·4		48·4		48·4		49·6		48·1		47·7		48·5		50·2		48·3		49·9		48·9		—		48·5	

TABLE 1A.—SHOWING THE DATES OF THE DRIEST AND WETTEST, AND OF THE COLDEST AND WARMEST YEARS FOR THE THIRTY-FIVE YEARS, 1866 TO 1900.

		Wheat Districts.	Grazing, &c., Districts.	Generally.
Rainfall	Driest	Ins. 21·0 in 1887	Ins. 30·5 in 1887	Ins. 25·8 in 1887
	Wettest	40·2 in 1872	58·0 in 1872	49·1 in 1872
Temperature	Coldest	° 45·5 in 1879	° 46·9 in 1879	° 46·2 in 1879
	Warmest	50·1 in 1868	50·7 in 1868	50·4 in 1868

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NOTES.

1.—Rainfall.

The mean values for the Rainfall in the districts given as Table I. in the various Quarterly Summaries were obtained as follows. Those for the years 1866 to 1877 were derived from observations made at the following stations :—

Districts.		Stations.
0. SCOTLAND, N.		Loch Broom.
		Helmsdale.
		Sandwick Manse.
1. SCOTLAND, E.		Inverness.
		Aberdeen.
		Ballater.
		Logierait.
		Stirling.
		Hawick.
2. ENGLAND, N.E.		N. Shields.
		York.
		Grimsby.
		Boston.
3. ENGLAND, E.	1866 to 1875.	Fakenham.
		Beccles.
		Witham.
		Bury St. Edmunds.
	1876 & 1877.	Yarmouth.
		Cambridge.
		Bury St. Edmunds.
4. MIDLAND COUNTIES		Leicester.
		Derby.
		Tenbury.
		Shiffnal.
		Cirencester.
		Banbury.
		Hitchin.
5. ENGLAND, S.		Bridport.
		Selborne.
		Maidstone.
		London (Camden Town).
6. SCOTLAND, W.		Dumfries.
		Ayr.
		Castle Toward.
7. ENGLAND, N.W., and N. WALES		Llandudno.
		Manchester.
		Skipton.
8. ENGLAND, S.W., and S. WALES		Barnstaple.
		Bodmin.
		Haverfordwest.
		Rhayader.
9. IRELAND, N.		Galway.
		Bunninadden, Co. Sligo. (Doo Castle.)
		Waringstown.
		Strabane.
10. IRELAND, S.		Cork.
		Waterford.
		Killaloe.
		Portarlington.
		Monkstown, Co. Dublin.

(The values were obtained mainly from Symons' Monthly Meteorological Magazine, supplemented by some of the values contained in the Reports of the Rainfall Committee of the British Association, 1868–1876.)

2.—Temperature.

The Temperature values for the years 1866 to 1877 have been obtained from the following stations :—

Districts.		Stations.
0. SCOTLAND, N.		Sandwick Manse.
		Stornoway.
		Dunrobin.
1. SCOTLAND, E.		Culloden.
		Aberdeen.
		Perth.
		Leith.
2. ENGLAND, N.E.		Bywell.
		N. Shields.
		Hull.
3. ENGLAND, E.		Royston.
		Holkham.
		Norwich.
		Wisbeach.
		Somerleyton.
4. MIDLAND COUNTIES		Derby.
		Nottingham.
		Cardington.
		Oxford.
5. ENGLAND, S.		Marlborough.
		Greenwich.
		Streatley.
		London (Camden Town).
		Weybridge.
		Strathfield Turgiss.
		Osborne.
		Bournemouth.
		Worthing.
6. SCOTLAND, W.		Greenock.
		Cockermouth.
		Silloth.
		Carlisle.
7. ENGLAND, N.W., and N. WALES		Stonyhurst.
		Bradford.
		Leeds.
		Eccles.
		Liverpool.
		Llandudno.
8. ENGLAND, S.W., and S. WALES		Gloucester.
		Taunton.
		Barnstaple.
		Truro.
		Helston.
9. IRELAND, N.	1866 to 1873.	Belfast.
		Milltown (Banbridge).
		Armagh.†
		Athlone.*
	1874 to 1877.	Moville.
		Milltown.
		Armagh.
		Donaghadee.
10. IRELAND, S.	1866 to 1873.	Dublin.*
		Curragh Camp.
		Buttevant.*
		Cork.
		Valencia.†
	1874 to 1877.	Kingstown.
		Parsonstown.
		Cork.
		Roche's Point.
		Valencia.

(The values were obtained mainly from the returns published quarterly by the Registrar General, by the Scottish Meteorological Society (in their Quarterly Journal), and the reports of the Army Medical Department, besides the records of the two Irish observatories, Valencia and Armagh. The returns for Cork were furnished by R. Caulfield, Esq., LL.D.)

For the years 1878 to 1900 the means are obtained from the observations published in the Weekly Weather Report.

* Did not commence till January 1867.

† Did not commence till January 1869.

By Order,

W. N. SHAW., Secretary.

WEEKLY WEATHER REPORT, 1900.

VOL. XVII. APPENDIX II.] [*Price* 1*s*.
Fourth Series.

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAINY DAYS IN EACH DISTRICT DURING THE YEAR 1900.

DATE. — LIMITS OF WEEKS.	0. Scotland, N.		Principal Wheat-producing Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat Producing Districts.		Principal Grazing, &c. Districts. 6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.
	Numbers of Days with Rain.																													
1900.																														
Dec. 31/99-Jan. 6/1900	5	5	6	6	6	6	6	6	5	5	5	5	6	6	5	5	4	4	6	6	6	6	6	6	5	5	7	7	6	6
Jan. 7-13	7	12	6	12	4	10	4	10	5	10	3	8	4	10	7	12	7	11	6	12	7	13	6	12	7	12	7	14	5	11
14-20	6	18	5	17	4	14	5	15	5	15	6	14	5	15	7	19	5	16	7	19	7	20	7	19	7	19	7	21	6	17
21-27	7	25	4	21	3	17	5	20	4	19	5	19	4	19	7	26	6	22	6	25	7	27	6	25	6	25	6	27	5	22
Jan. 28-Feb. 3	5	30	5	26	6	23	5	25	5	24	5	24	5	24	2	28	3	25	3	28	3	30	4	29	3	28	4	31	4	26
Feb. 4-10	5	35	3	29	5	28	2	27	2	26	2	26	3	27	3	31	3	28	2	30	4	34	3	32	3	31	3	34	3	29
11-17	5	40	3	32	4	32	5	32	4	30	5	31	4	31	5	36	5	33	5	35	5	39	5	37	5	36	6	40	5	34
18-24	5	45	5	37	6	38	7	39	7	37	7	38	7	38	7	43	6	39	7	42	6	45	5	42	6	42	7	47	6	40
Feb. 25-Mar. 3	4	49	4	41	6	44	6	45	4	41	5	43	5	43	2	45	4	43	4	46	3	48	4	46	3	45	4	51	4	44
Mar. 4-10	1	50	1	42	1	45	2	47	1	42	1	44	1	44	0	45	0	43	2	48	0	48	1	47	1	46	3	54	1	45
11-17	6	56	3	45	2	47	2	49	3	45	1	45	2	46	3	48	3	46	2	50	5	53	3	50	3	49	3	57	2	47
18-24	5	61	6	51	3	50	3	52	3	48	3	48	4	50	4	52	4	50	4	54	4	57	3	53	4	53	4	61	4	51
25-31	5	66	3	54	4	54	3	55	2	50	2	50	3	53	2	54	2	*52	2	56	3	60	3	56	2	55	4	65	3	54
April 1-7	4	70	4	58	4	58	4	59	4	54	4	54	4	57	5	59	3	55	5	61	6	66	6	62	5	60	6	71	5	59
8-14	7	77	5	63	4	62	3	62	3	57	4	58	4	61	7	66	5	60	5	66	7	73	5	67	6	66	5	76	5	64
15-21	4	81	3	66	3	65	3	65	3	60	2	60	3	64	4	70	3	63	3	69	3	76	2	69	3	69	2	78	3	67
22-28	5	86	5	71	1	66	1	66	2	62	1	61	2	66	3	73	4	67	0	69	3	79	1	70	2	71	1	79	2	69
April 29-May 5	6	92	4	75	2	68	2	68	4	66	4	65	3	69	6	79	4	71	6	75	6	85	5	75	5	76	4	83	4	73
May 6-12	3	95	3	78	2	70	3	71	4	70	2	67	3	72	4	83	4	75	4	79	5	90	4	79	4	80	2	85	4	77
13-19	3	98	2	80	2	72	1	72	0	70	0	67	1	73	0	83	0	75	0	79	0	90	0	79	0	80	0	85	0	77
20-26	6	104	5	85	3	75	4	76	4	74	4	71	4	77	5	88	3	78	4	83	6	96	6	85	5	85	4	89	5	82
May 27-June 2	2	106	2	87	2	77	4	80	1	75	2	73	2	79	1	89	1	79	1	84	1	97	1	86	1	86	2	91	2	84
June 3-9	3	109	3	90	3	80	4	84	3	78	2	75	3	82	4	93	3	82	3	87	4	101	5	91	4	90	3	94	3	87
10-16	4	113	3	93	4	84	5	89	5	83	4	79	4	86	5	98	5	87	5	92	6	107	6	97	5	95	6	100	5	92
17-23	6	119	5	98	5	89	4	93	4	87	4	83	5	91	6	104	5	92	5	97	7	114	7	104	6	101	5	105	5	97
24-30	5	124	5	103	4	93	4	97	4	91	4	87	4	95	4	108	4	96	4	101	5	119	5	109	5	106	3	108	5	102
July 1-7	6	130	5	108	5	98	5	102	4	95	3	90	5	100	5	113	3	99	4	105	5	124	4	113	4	110	4	112	5	107
8-14	6	136	5	113	2	100	1	103	2	97	1	91	2	102	5	118	3	102	2	107	3	127	2	115	3	113	3	115	2	109
15-21	5	141	4	117	2	102	2	105	2	99	1	92	2	104	5	123	3	105	2	109	4	131	4	119	3	116	3	118	3	112
22-28	6	147	4	121	2	104	1	106	1	100	1	93	2	106	5	128	2	107	3	112	6	137	2	121	4	120	2	120	3	115
July 29-Aug. 4	6	153	5	126	4	108	5	111	5	105	4	97	4	110	6	134	6	113	6	118	6	143	5	126	6	126	6	126	5	120
Aug. 5-11	2	155	4	130	5	113	5	116	6	111	5	102	5	115	5	139	6	119	6	124	5	148	5	131	6	132	5	131	6	126
12-18	3	158	1	131	1	114	1	117	0	111	1	103	1	116	1	140	1	120	1	125	1	149	1	132	1	133	1	132	1	127
19-25	4	162	5	136	6	120	4	121	5	116	4	107	5	121	6	146	5	125	5	130	5	154	6	138	5	138	4	136	5	132
Aug. 26-Sept. 1	3	165	3	139	1	121	2	123	1	117	4	111	2	123	3	149	1	126	2	132	2	156	2	140	2	140	3	139	2	134
Sept. 2-8	5	170	5	144	2	123	1	124	0	117	1	112	2	125	4	153	2	128	1	133	3	159	0	140	2	142	1	140	2	136
9-15	2	172	1	145	0	123	0	124	0	117	0	112	0	125	1	154	1	129	2	135	1	160	0	140	1	143	1	141	1	137
16-22	5	177	2	147	2	125	2	126	2	119	1	113	2	127	5	159	4	133	4	139	4	164	4	144	4	147	2	143	3	140
23-29	7	184	6	153	3	128	3	129	3	122	3	116	4	131	6	165	5	138	5	144	7	171	6	150	6	153	5	148	5	145
Sept. 30-Oct. 6	6	190	6	159	6	134	3	132	6	128	5	121	5	136	6	171	7	145	6	150	7	178	6	156	6	159	5	153	6	151
Oct. 7-13	6	196	6	165	4	138	3	135	3	131	2	123	4	140	7	178	5	150	4	154	6	184	5	161	5	164	3	156	4	155
14-20	5	201	5	170	5	143	4	139	4	135	2	125	4	144	4	182	4	154	4	158	5	189	3	164	4	168	4	160	4	159
21-27	6	207	4	174	5	148	6	145	5	140	4	129	5	149	5	187	5	159	4	162	5	194	4	168	5	173	4	164	5	164
Oct. 28-Nov. 3	6	213	4	178	5	153	5	150	6	146	5	134	5	154	6	193	6	165	6	168	5	199	6	174	6	179	7	171	6	170
Nov. 4-10	7	220	7	185	5	158	5	155	6	152	6	140	6	160	7	200	6	171	7	175	6	205	6	180	6	185	7	178	6	176
11-17	6	226	6	191	5	163	6	161	6	158	6	146	6	166	6	206	6	177	6	181	6	211	5	185	6	191	7	185	6	182
18-24	3	229	4	195	5	168	6	167	3	161	3	149	4	170	2	208	1	178	3	184	3	214	4	189	3	194	5	190	3	185
Nov. 25-Dec. 1	4	233	6	201	6	174	5	172	5	166	5	154	5	175	4	212	4	182	5	189	4	218	5	194	4	198	5	195	5	190
Dec. 2-8	6	239	6	207	6	180	5	177	6	172	6	160	6	181	7	219	6	188	7	196	6	224	7	201	7	205	7	202	7	197
9-15	7	246	6	213	2	182	3	180	3	175	5	165	4	185	6	225	4	192	5	201	6	230	5	206	5	210	4	206	4	201
16-22	7	253	5	218	2	184	3	183	3	178	4	169	3	188	5	230	4	196	5	206	5	235	5	211	5	215	6	212	4	205
Dec. 23-29	7	260	6	224	4	188	6	189	5	183	6	175	6	194	7	237	6	202	7	213	7	242	6	217	7	222	7	219	6	211

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TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1900.

DATE — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.												Channel Islands.		Means for the British Islands generally.	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat Producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.					
	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.
	Rainfall in Inches.																													
1900.																														
Dec.31/99-Jan.6/1900	1·02	1·02	1·95	1·95	1·54	1·54	1·19	1·19	1·96	1·96	1·37	1·37	1·60	1·60	1·74	1·74	1·23	1·23	2·03	2·03	1·19	1·19	1·92	1·92	1·62	1·62	2·68	2·68	1·61	1·61
Jan. 7-13	1·35	2·37	0·50	2·45	0·16	1·70	0·35	1·54	0·36	2·32	0·24	1·61	0·32	1·92	1·32	3·06	0·92	2·15	0·96	2·99	0·81	2·00	0·64	2·56	0·93	2·55	0·47	3·15	0·63	2·24
14-20	2·41	4·78	0·63	3·08	0·24	1·94	0·59	2·13	0·51	2·83	1·13	2·74	0·62	2·54	2·06	5·12	1·03	3·18	1·53	4·52	1·13	3·13	1·02	3·58	1·36	3·91	1·31	4·46	0·98	3·22
21-27	2·40	7·18	0·37	3·45	0·10	2·04	0·59	2·72	0·46	3·29	0·48	3·22	0·40	2·94	1·97	7·09	1·13	4·31	1·24	5·76	1·06	4·19	0·86	4·44	1·25	5·16	0·75	5·21	0·83	4·05
Jan. 28-Feb. 3	0·26	7·44	0·49	3·94	0·80	2·84	0·73	3·45	0·37	3·66	0·81	4·03	0·64	3·58	0·10	7·19	0·26	4·57	0·16	5·92	0·15	4·34	0·32	4·76	0·20	5·36	0·47	5·68	0·42	4·47
Feb. 4-10	0·40	7·84	0·18	4·12	0·62	3·46	0·19	3·64	0·26	3·92	0·47	4·50	0·35	3·93	0·53	7·72	0·75	5·32	0·35	6·27	0·23	4·57	0·74	5·50	0·52	5·88	0·75	6·43	0·44	4·91
11-17	1·27	9·11	0·84	4·96	0·65	4·11	1·41	5·05	1·50	5·42	2·06	6·56	1·29	5·22	1·85	9·57	1·18	6·50	2·79	9·06	1·17	5·74	1·36	6·86	1·67	7·55	2·50	8·93	1·48	6·39
18-24	0·77	9·88	1·21	6·17	1·05	5·16	1·30	6·35	1·67	7·09	1·23	7·79	1·29	6·51	1·22	10·79	1·33	7·83	2·29	11·35	1·26	7·00	1·27	8·13	1·47	9·02	1·01	9·94	1·38	7·77
Feb. 25-Mar. 3	0·20	10·08	0·84	7·01	1·55	6·71	0·43	6·78	0·74	7·83	0·45	8·24	0·80	7·31	0·65	11·44	0·65	8·48	0·48	11·83	0·31	7·31	0·68	8·81	0·55	9·57	0·46	10·40	0·68	8·45
Mar. 4-10	0·04	10·12	0·02	7·03	0·06	6·77	0·06	6·84	0·06	7·89	0·06	8·30	0·05	7·36	0·00	11·44	0·01	8·49	0·17	12·00	0·00	7·31	0·03	8·84	0·04	9·61	0·29	10·69	0·05	8·50
11-17	0·75	10·87	0·26	7·29	0·17	6·94	0·05	6·89	0·12	8·01	0·05	8·35	0·13	7·49	0·16	11·60	0·20	8·69	0·19	12·19	0·40	7·71	0·31	9·15	0·25	9·86	0·33	11·02	0·19	8·69
18-24	0·45	11·32	1·18	8·47	0·44	7·38	0·47	7·36	0·46	8·47	0·79	9·14	0·67	8·16	0·25	11·85	0·26	8·95	1·03	13·22	0·21	7·92	0·38	9·53	0·43	10·29	0·91	11·93	0·55	9·24
25-31	0·33	11·65	0·28	8·75	0·38	7·76	0·18	7·54	0·17	8·64	0·12	9·26	0·23	8·39	0·31	12·16	0·29	9·24	0·25	13·47	0·26	8·18	0·39	9·92	0·30	10·59	0·46	12·39	0·28	9·50
April 1-7	0·45	12·10	0·44	9·19	0·34	8·10	0·56	8·10	0·43	9·07	0·67	9·93	0·49	8·88	0·75	12·91	0·43	9·67	1·08	14·55	0·78	8·96	1·17	11·09	0·84	11·43	0·95	13·34	0·67	10·17
8-14	2·15	14·25	0·67	9·86	0·50	8·60	0·19	8·29	0·31	9·38	0·17	10·10	0·37	9·25	1·69	14·60	1·08	10·75	0·42	14·97	1·13	10·09	0·76	11·85	1·02	12·45	0·19	13·53	0·70	10·87
15-21	0·73	14·98	0·29	10·15	0·14	8·74	0·20	8·49	0·10	9·48	0·07	10·17	0·16	9·41	0·53	15·13	0·31	11·06	0·12	15·09	0·34	10·43	0·13	11·98	0·29	12·74	0·03	13·56	0·22	11·09
22-28	0·85	15·83	0·30	10·45	0·07	8·81	0·08	8·57	0·09	9·57	0·04	10·21	0·11	9·52	0·36	15·49	0·22	11·28	0·02	15·11	0·26	10·69	0·07	12·05	0·18	12·92	0·01	13·57	0·14	11·23
April 29-May 5	1·15	16·98	0·63	11·08	0·16	8·97	0·08	8·65	0·41	9·98	0·34	10·55	0·33	9·85	1·77	17·26	0·50	11·78	1·20	16·31	1·23	11·92	1·26	13·31	1·19	14·11	0·76	14·33	0·76	11·59
May 6-12	0·39	17·37	0·51	11·59	0·56	9·53	0·66	9·31	1·15	11·13	0·39	10·94	0·65	10·50	0·56	17·82	0·87	12·65	0·60	16·91	0·62	12·54	0·49	13·80	0·63	14·74	0·26	14·59	0·64	12·63
13-19	0·14	17·51	0·06	11·65	0·04	9·57	0·04	9·35	0·00	11·13	0·00	10·94	0·03	10·53	0·03	17·85	0·01	12·66	0·00	16·91	0·00	12·54	0·02	13·82	0·01	14·75	0·00	14·59	0·02	12·65
20-26	1·10	18·61	0·44	12,09	0·25	9·82	0·46	9·81	0·53	11·66	0·58	11·52	0·45	10·98	1·45	19·30	0·54	13·20	0·91	17·82	1·02	13·56	1·25	15·07	1·04	15·79	0·62	15·21	0·75	13·40
May 27-June 2	0·36	18·97	0·06	12·15	0·06	9·88	0·67	10·48	0·09	11·75	0·24	11,76	0·22	11·20	0·55	19·85	0·01	13·21	0·17	17·99	0·13	13·69	0·04	15·11	0·18	15·97	0·23	15·44	0·20	13·60
June 3-9	0·38	19·35	0·29	12·44	0·39	10·27	0·45	10·93	0·26	12·01	0·32	12·08	0·34	11·54	0·33	20·18	0·25	13·46	0·77	18·76	0·32	14·01	1·16	16·27	0·57	16·54	0·24	15·68	0·46	14·06
10-16	0·50	19·85	0·54	12·98	0·56	10·83	0·33	11·26	0·96	12·97	0·62	12·70	0·60	12·14	0·89	21·07	0·73	14·19	1·44	20·20	0·78	14·79	0·97	17·24	0·96	17·50	0·54	16·22	0·78	14·84
17-23	1·03	20·88	0·92	13·90	0·79	11·62	0·56	11·82	0·59	13·56	1·07	13·77	0·79	12·93	1·04	22·11	0·76	14·95	1·07	21·27	1·82	16·61	1·80	19·04	1·30	18·80	0·83	17·05	1·05	15·89
24-30	0·75	21·63	0·80	14·70	1·01	12·63	0·67	12·49	0·56	14·12	0·60	14·37	0·73	13·66	1·91	24·02	0·86	15·81	0·65	21·92	1·00	17·61	0·61	19·65	1·00	19·80	0·38	17·43	0·86	16·75
July 1-7	1·07	22·70	0·59	15·29	0·62	13·25	0·49	12·98	0·27	14·39	0·38	14·75	0·47	14·13	0·74	24·76	0·38	16·19	0·25	22·17	0·53	18·14	0·57	20·22	0·49	20·29	0·68	18·11	0·48	17·23
8-14	1·13	23·83	1·15	16·44	0·15	13·40	0·02	13·00	0·33	14·72	0·03	14·78	0·34	14·47	0·51	25·27	0·20	16·39	0·37	22·54	0·38	18·52	0·36	20·58	0·37	20·66	0·16	18·28	0·36	17·59
15-21	0·59	24,42	0·59	17·03	0·39	13·79	0·48	13·48	0·33	15·05	0·03	14·81	0·36	14·83	1·15	26·42	0·51	16·90	0·11	22·65	0·32	18·84	0·52	21·13	0·52	21·18	0·17	18·45	0·44	18·03
22-28	0·75	25·17	0·80	17·83	0·37	14·16	0·23	13·71	0·54	15·59	0·35	15·16	0·46	15·29	0·67	27·09	0·45	17·35	0·29	22·94	0·94	19·78	1·04	22·14	0·68	21·86	0·04	18·49	0·57	18·60
July 29-Aug. 4	1·04	26·21	0·70	18·53	1·81	15·97	1·05	14·76	1·43	17·02	0·74	15·90	1·15	16·44	1·67	28·76	2·28	19·63	1·39	24·33	1·32	21·10	1·64	23·78	1·66	23·52	0·37	18·86	1·41	20·01
Aug. 5-11	0·80	27·01	1·20	19·73	1·77	17·74	1·54	16·30	1·47	18·49	0·89	16·79	1·37	17·81	2·18	30·94	2·22	21·85	1·33	25·66	1·19	22·29	2·16	25·94	1·82	25·34	0·82	19·68	1·59	21·60
12-18	0·38	27·39	0·03	19·76	0·06	17·80	0·13	16·43	0·03	18·52	0·07	16·86	0·06	17·87	0·42	31·36	0·02	21·87	0·01	25·67	0·04	22·33	0·13	26·07	0·12	25·46	0·04	19·72	0·09	21·69
19-25	1·05	28·44	2·08	21·84	1·43	19·23	0·67	17·10	1·04	19·56	0·73	17·59	1·19	19·06	1·76	33·12	1·30	23·17	1·14	26·81	1·43	23·76	1·53	27·60	1·43	26 89	0·63	20·35	1·31	23·00
Aug. 26-Sept. 1	1·09	29·53	0·27	22·11	0·16	19·39	0·34	17·44	0·18	19·74	0·34	17·93	0·26	19·32	0·97	34·09	0·54	23·71	0·48	27·29	0·39	24·15	0·25	27·85	0·54	27·41	0·42	20·77	0·39	21·39
Sept. 2-8	0·89	30·42	0·44	22·55	0·29	19·68	0·08	17·52	0·00	19·74	0·05	17·98	0·17	19·49	0·66	34·75	0·14	23·85	0·05	27·34	0·19	24·34	0·00	27·85	0·21	27·62	0·12	20·89	0·19	23·58
9-15	0·24	30·66	0·15	22·70	0·02	19·70	0·01	17·53	0·01	19·75	0·00	17·98	0·04	19·53	0·10	34·85	0·05	23·90	0·05	27·39	0·05	24·39	0·03	27·88	0·06	27·68	0·02	20·91	0·05	23·63
16-22	0·48	31·14	0·07	22·77	0·09	19·79	0·11	17·64	0·22	19·97	0·03	18·01	0·10	19·63	0·74	35·59	0·47	24·37	0·30	27·69	0·30	24·69	0·46	28·34	0·45	28·13	0·12	21·03	0·27	23·90
23-29	3·36	34·50	1·53	24·30	0·17	19·96	0·33	17·97	0·27	20·24	0·49	18·50	0·56	20·19	3·14	38·73	0·93	25,30	0·86	28·55	1·74	26·43	0·97	29·31	1·53	29·66	0·74	21·77	1·05	24·95
Sept. 30-Oct. 6	1·52	36·02	1·14	25·44	0·97	20·93	0·51	18·48	1·27	21·51	0·89	19·39	0·96	21·15	2·38	41·11	2·24	27·54	1·87	30·42	1·66	28·09	1·82	31·13	1·99	31·65	0·87	22·64	1·48	26·43
Oct. 7-13	2·49	38·51	1·01	26·45	0·83	21·76	0·16	18·64	0·23	21·74	0·05	19·44	0·45	21·60	2·38	43·49	1·13	28·67	0·36	30·78	1·51	29·60	1·40	32·53	1·36	33·01	0·10	22·74	0·90	27·33
14-20	0·95	39·46	0·84	27·29	0·50	22·26	0·31	18·95	0·28	22·02	0·11	19·55	0·41	22·01	0·96	44·45	0·53	29·20	0·38	31·16	0·47	30·07	0·66	33·19	0·60	33·61	0·22	22·96	0·51	27·84
21-27	1·10	40·56	0·58	27.87	2·26	24·52	0·67	19·62	0·63	22·65	0·43	19·98	0·91	22·92	0·81	45·26	1·08	30·28	0·81	31·97	0·71	30·78	0·57	33·76	0·80	34·41	0·56	23·52	0·85	28·69
Oct. 28-Nov. 3	1·12	41·68	0·85	28·72	0·68	25·20	0·84	20·46	1·02	23·67	1·26	21·24	0·93	23·85	1·64	46·90	1·30	31·58	1·90	33·87	1·15	31·93	1·78	35·54	1·56	35·97	0·52	24·04	1·25	29·94
Nov. 4-10	2·45	44·13	1·18	29·90	0·44	25·64	0·37	20·83	0·63	24·30	0·83	22·07	0·69	24·54	2·42	49·32	0·96	32·54	1·45	35·32	1·86	33·79	1 82	37·36	1·70	37·67	2·03	26·07	1·20	31·14
11-17	1·16	45·29	1·21	31·11	0·63	26·27	0·66	21·49	0·70	25·00	0·94	23·01	0·83	25·37	1·61	50·93	1·07	33·61	1·25	36·57	1·36	35·15	1·16	38·52	1·29	38·96	1·34	27·41	1·06	32·20
18-24	0·18	45·47	0·73	31·84	0·54	26·81	0·48	21·97	0·36	25·36	0·54	23·55	0·53	25·90	0·50	51·43	0·39	34·00	0·84	37·41	0·73	35·88	1·25	39·77	0·74	39·70	0·96	28·37	0·63	32·83
Nov. 25-Dec. 1	0·57	46·04	0·97	32·81	0·67	27·48	0·30	22·27	0·60	25·96	0·70	24·25	0·65	26·55	0·94	52·37	0·67	34·67	1·14	38·55	0·97	36·85	1·92	41·69	1·13	40·83	1·06	29·43	0·89	33·72
Dec. 2-8	1·72	47·76	1·51	34·32	0·85	28·33	0·69	22·96	0·89	26·85	1·23	25·48	1·03	27·58	2·79	55·16	1·62	36·29	2·43	40·98	1·25	38·10	1·35	43·04	1·89	42·72	2·47	31·90	1·46	35·18
9-15	4·15	51·91	1·08	35·40	0·10	28·43	0·20	23·16	0·19	27·04	0·42	25·90	0·40	27·98	2·53	57·69	0·60	36·89	0·69	41·67	0·79	38·89	0·54	43·58	1·03	43·75	0·48	32·38	0·72	35·90
16-22	2·87	54·78	0·70	36·10	0·18	28·61	0·22	23·38	0·72	27·76	0·77	26·67	0·52	28·50	2·27	59·96	0·50	37·39	1·37	43·04	1·14	40·03	2·31	45·89	1·52	45·27	0 84	33·22	1·02	36·92
Dec. 23-29	2·02	56·80	0·96	37·06	0·56	29·17	0·48	23·86	0·80	28·56	0 61	27·28	0·68	29·18	2·32	62·28	1·26	38·65	1·45	44·49	1·57	41·60	2·25	48·14	1·76	47·03	0·72	33·94	1·22	38·14

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1900.

DATE. — LIMITS OF WEEKS.	0. SCOTLAND, N.		Principal Wheat-producing Districts. 1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		Principal Grazing, &c. Districts. 6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &C. DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.
	DAY-DEGREES ABOVE 42° FAHRENHEIT.																													
1900.																														
Dec.31/99-Jan.6/1900	0	0	0	0	1	1	6	6	1	1	21	21	6	6	0	0	1	1	13	13	3	3	10	10	5	5	31	31	6	6
Jan. 7-13 - -	5	5	0	0	0	1	0	6	2	3	5	26	1	7	8	8	6	7	20	33	20	23	29	39	17	22	35	66	9	15
14-20 - -	2	7	1	1	4	5	3	9	9	12	13	39	6	13	8	16	8	15	27	60	9	32	28	67	16	38	38	104	11	26
21-27 - -	12	19	23	24	27	32	27	36	29	41	28	67	27	40	25	41	24	39	28	88	26	58	31	98	27	65	49	153	27	53
Jan. 28-Feb. 3 -	0	19	0	24	0	32	0	36	0	41	0	67	0	40	0	41	0	39	0	88	0	58	0	98	0	65	7	160	0	53
Feb. 4-10 - -	0	19	0	24	0	32	0	36	0	41	0	67	0	40	0	41	0	39	0	88	0	58	0	98	0	65	2	162	0	53
11-17 - -	0	19	0	24	0	32	0	36	0	41	3	70	0	40	0	41	0	39	8	96	0	58	2	100	2	67	26	188	1	54
18-24 - -	0	19	0	24	8	40	31	67	29	70	31	101	20	60	4	45	14	53	31	127	10	68	28	128	17	84	41	229	19	73
Feb. 25-Mar. 3 -	8	27	3	27	3	43	11	78	7	77	22	123	9	69	8	53	6	59	16	143	7	75	9	137	9	93	29	258	9	82
Mar. 4-10 - -	6	33	6	33	0	43	3	81	1	78	5	128	3	72	6	59	3	62	6	149	5	80	10	147	6	99	18	276	5	87
11-17 - -	7	40	13	46	13	56	15	96	15	93	27	155	17	89	15	74	12	74	25	174	12	92	17	164	16	115	29	305	16	103
18-24 - -	0	40	0	46	0	56	6	102	0	93	8	163	3	92	2	76	0	74	7	181	3	95	5	169	3	118	20	325	3	106
25-31 - -	2	42	5	51	2	58	4	106	6	99	8	171	5	97	8	84	5	79	10	191	13	108	16	185	11	129	13	338	8	114
April 1-7 - -	16	58	18	69	14	72	20	126	24	123	29	200	21	118	17	101	18	97	26	217	25	133	32	217	24	153	28	366	23	137
8-14 - -	25	83	36	105	37	109	45	171	43	166	41	241	40	158	31	132	30	127	38	255	34	167	43	260	35	188	53	419	37	174
15-21 - -	44	127	63	168	61	170	61	232	68	234	60	301	63	221	55	187	62	189	60	315	60	227	65	325	60	248	69	488	62	236
22-28 - -	28	155	34	202	30	200	45	277	53	287	52	353	43	264	43	230	38	227	53	368	41	268	58	383	47	295	60	548	45	281
Apr. 29-May 5 -	36	191	45	247	57	257	66	343	54	341	61	414	56	320	43	273	52	279	50	418	43	311	56	439	49	344	73	621	53	334
May 6-12 - -	35	226	32	279	32	289	50	393	46	387	63	477	45	365	46	319	44	323	54	472	57	368	66	505	53	397	80	701	49	383
13-19 - -	40	266	45	324	34	323	39	432	44	431	48	525	42	407	52	371	38	361	49	521	42	410	52	557	47	444	58	759	44	427
20-26 - -	43	309	55	379	69	392	70	502	65	496	71	596	66	473	60	431	63	424	63	584	56	466	67	624	62	506	84	843	64	491
May 27-June 2 -	60	369	59	438	63	455	73	575	76	572	81	677	70	543	76	507	77	501	85	669	82	548	90	714	82	588	97	940	76	567
June 3-9 - -	60	429	48	486	57	512	98	673	106	678	111	788	84	627	103	610	105	606	111	780	109	657	109	823	107	695	109	1049	96	663
10-16 - -	111	540	113	599	123	635	141	814	135	813	128	916	128	755	125	735	127	733	114	894	111	768	111	934	118	813	123	1172	123	786
17-23 - -	87	627	97	696	116	751	122	936	109	922	111	1027	111	866	96	831	106	839	104	958	97	865	99	1033	100	913	116	1288	106	892
24 30 - -	78	705	85	781	101	852	108	1044	101	1023	104	1131	100	966	88	919	98	937	97	1095	90	955	102	1135	95	1008	116	1404	98	990
July 1-7 - -	78	783	87	868	106	958	118	1162	105	1128	118	1249	107	1073	96	1015	100	1037	104	1199	92	1047	105	1240	99	1107	119	1523	103	1093
8-14 - -	103	886	125	993	137	1095	141	1303	148	1276	144	1393	139	1212	112	1127	134	1171	132	1331	118	1165	122	1362	124	1231	149	1672	131	1224
15-21 - -	115	1001	130	1123	146	1241	177	1480	166	1442	178	1571	159	1371	135	1262	156	1327	156	1487	136	1300	145	1507	146	1377	168	1840	153	1377
22-28 - -	106	1107	119	1242	158	1399	190	1670	179	1621	185	1756	166	1537	132	1394	153	1480	168	1655	129	1430	159	1666	148	1525	176	2016	157	1534
July 29-Aug. 4 -	89	1196	98	1340	127	1526	135	1805	128	1749	139	1895	125	1662	105	1499	123	1603	129	1784	111	1541	120	1786	117	1642	146	2162	121	1655
Aug. 5-11 - -	83	1279	76	1416	85	1611	96	1901	99	1848	109	2004	93	1755	87	1586	97	1700	110	1894	92	1633	103	1889	98	1740	127	2289	96	1751
12-18 - -	121	1400	129	1545	124	1735	153	2054	148	1996	163	2167	143	1898	127	1713	130	1830	148	2042	132	1765	134	2023	134	1874	157	2446	139	1890
19-25 - -	85	1485	81	1626	109	1844	137	2191	123	2119	134	2301	117	2015	96	1809	115	1945	117	2159	103	1868	117	2140	110	1984	137	2583	114	2004
Aug. 26-Sept. 1 -	74	1559	76	1702	101	1945	116	2307	110	2229	124	2425	105	2120	90	1899	98	2043	117	2276	97	1965	109	2249	102	2086	141	2724	104	2108
Sept. 2-8 - -	73	1632	78	1780	95	2040	98	2405	90	2319	103	2528	93	2213	79	1978	92	2135	95	2371	85	2050	92	2341	89	2175	132	2856	91	2199
9-15 - -	91	1723	90	1870	93	2133	104	2509	92	2411	117	2645	99	2312	95	2073	99	2234	111	2482	100	2150	107	2448	102	2277	141	2997	101	2300
16-22 - -	84	1807	81	1951	106	2239	129	2638	106	2517	127	2772	110	2422	88	2161	106	2340	113	2595	102	2252	113	2561	104	2381	134	3131	107	2407
23-29 - -	48	1855	55	2006	89	2328	107	2755	92	2609	108	2880	90	2512	71	2232	94	2434	100	2695	74	2326	95	2656	87	2468	121	3252	89	2496
Sept. 30-Oct. 6 -	39	1894	42	2048	56	2384	76	2821	59	2668	88	2968	64	2576	41	2273	64	2498	79	2774	48	2374	64	2720	59	2527	111	3363	62	2558
Oct. 7-13 - -	37	1931	42	2090	76	2460	90	2911	77	2745	92	3060	76	2652	54	2327	78	2576	86	2860	58	2432	71	2791	69	2596	109	3472	72	2630
14-20 - -	28	1959	29	2119	33	2493	42	2953	37	2782	48	3108	38	2690	31	2358	36	2612	52	2912	39	2471	46	2837	41	2637	86	3558	39	2669
21-27 - -	32	1991	34	2153	40	2533	39	2992	38	2820	41	3149	38	2728	35	2393	38	2650	46	2958	42	2513	53	2850	43	2680	73	3631	41	2710
Oct. 28-Nov. 3 -	37	2028	38	2191	41	2574	62	3054	59	2879	74	3223	55	2783	40	2433	55	2705	72	3030	46	2559	68	2958	56	2736	100	3731	56	2766
Nov. 4-10 - -	24	2052	24	2215	34	2608	40	3094	34	2913	52	3275	37	2820	28	2461	39	2744	46	3076	28	2587	34	2992	35	2771	76	3807	36	2802
11-17 - -	11	2063	10	2225	28	2636	33	3127	30	2943	36	3311	27	2847	21	2482	26	2770	35	3111	25	2612	34	3026	28	2799	62	3869	27	2829
18-24 - -	7	2070	1	2226	10	2646	18	3145	6	2949	19	3330	11	2858	4	2486	9	2779	13	3124	5	2617	12	3038	9	2808	31	3900	10	2839
Nov. 25-Dec. 1 -	10	2080	8	2234	20	2666	20	3165	20	2969	26	3356	19	2877	18	2504	18	2797	28	3152	22	2639	27	3065	23	2831	48	3948	21	2860
Dec. 2-8 - -	7	2087	7	2241	25	2691	31	3196	31	3000	39	3395	27	2904	20	2524	32	2829	44	3196	27	2666	44	3109	33	2864	65	4013	30	2890
9-15 - -	28	2115	32	2273	42	2733	37	3233	37	3037	43	3438	38	2942	46	2570	47	2876	46	3242	38	2704	48	3157	45	2909	64	4077	42	2932
16-22 - -	26	2141	27	2300	28	2761	29	3262	28	3065	32	3470	29	2971	30	2600	28	2904	33	3275	26	2730	36	3193	31	2940	51	4128	30	2962
Dec. 23-29 - -	22	2163	24	2324	27	2788	13	3275	25	3090	28	3498	23	2994	24	2624	27	2931	33	3308	24	2754	33	3226	28	2968	53	4181	25	2987

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1900.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.															
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &C. DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.
	DAY-DEGREES BELOW 42° FAHRENHEIT.																													
1900.																														
Dec.31/99-Jan.6/1900	27	27	39	39	26	26	27	27	30	30	14	14	27	27	25	25	24	24	25	25	27	27	37	37	28	28	0	0	28	28
Jan. 7-13	26	53	31	70	29	55	34	61	27	57	30	44	30	57	20	45	18	42	9	34	12	39	7	44	13	41	0	0	21	49
14-20	29	82	29	99	32	87	37	98	32	89	29	73	32	89	20	65	20	62	8	42	27	66	13	57	18	59	0	0	25	74
21-27	24	106	15	114	11	98	14	112	14	103	8	81	13	102	8	73	7	69	2	44	9	75	2	59	5	64	0	0	9	83
Jan. 28-Feb. 3	49	155	58	172	46	144	46	158	57	160	46	127	51	153	53	126	48	117	40	84	36	111	35	94	42	106	16	16	46	129
Feb. 4-10	109	264	107	279	77	221	72	230	90	250	70	197	83	236	89	215	81	198	60	144	69	180	73	167	74	180	24	40	79	208
11-17	78	342	78	357	62	283	61	291	62	312	38	235	60	296	54	269	52	250	39	183	50	230	54	221	50	230	13	53	55	263
18-24	38	380	43	400	32	315	17	308	16	328	10	245	24	320	23	292	22	272	7	190	30	260	15	236	20	250	0	53	22	285
Feb 25-Mar. 3	28	408	32	432	22	337	17	325	18	346	6	251	19	339	25	317	19	291	8	198	22	282	19	255	18	268	0	53	19	304
Mar. 4-10	32	440	37	469	23	360	29	354	25	371	23	274	27	366	32	349	23	314	25	223	25	307	25	280	26	294	10	63	27	331
11-17	33	473	35	504	28	388	31	385	35	406	17	291	29	395	28	377	25	339	15	238	25	332	23	303	23	317	1	64	26	357
18-24	46	519	57	561	37	425	32	417	39	445	27	318	33	434	35	412	32	371	32	270	33	365	31	334	33	350	10	74	36	393
25-31	43	562	47	608	39	464	44	461	46	491	40	358	43	477	42	454	36	407	38	308	32	397	32	366	36	386	21	95	39	432
April 1-7	28	590	34	642	28	492	36	497	36	527	18	376	31	508	30	484	24	431	16	324	13	410	7	373	18	404	2	97	25	457
8-14	15	605	15	657	9	501	8	505	10	537	4	380	9	517	8	492	7	438	1	325	6	416	0	373	4	408	0	97	6	463
15-21	3	608	5	662	0	501	4	509	3	540	0	380	2	519	0	492	0	438	0	325	0	416	0	373	0	408	0	97	1	464
22-28	10	618	12	674	10	511	11	520	11	551	4	384	10	529	7	499	6	444	4	329	0	416	0	373	4	412	0	97	7	471
April 29-May 5	5	623	4	678	0	511	0	520	0	551	0	384	1	530	0	499	0	444	0	329	0	416	0	373	0	412	0	97	1	472
May 6-12	5	628	9	687	0	511	0	520	1	552	0	384	2	532	0	499	0	444	0	329	0	416	0	373	0	412	0	97	1	473
13-19	10	638	10	697	7	518	10	530	15	567	5	389	9	541	7	506	8	452	7	336	0	416	0	373	4	416	0	97	6	479
20-26	1	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
May 27-June 2	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
June 3-9	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
10-16	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
17-23	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
24-30	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
July 1-7	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
8-14	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
15-21	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
22-28	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
July 29-Aug. 4	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
Aug. 5-11	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
12-18	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
19-25	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
Aug. 26-Sept. 1	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
Sept. 2-8	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
9-15	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
16-22	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
23-29	0	639	0	697	0	518	0	530	0	567	0	389	0	541	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	479
Sept. 30-Oct. 6	7	646	8	705	0	518	0	530	0	567	0	389	2	543	0	506	0	452	0	336	0	416	0	373	0	416	0	97	1	480
Oct. 7-13	2	648	1	706	0	518	0	530	0	567	0	389	0	543	0	506	0	452	0	336	0	416	0	373	0	416	0	97	0	480
14-20	14	662	15	721	7	525	4	534	8	575	0	389	7	550	8	514	1	453	0	336	8	424	1	374	3	419	0	97	5	485
21-27	10	672	8	729	2	527	3	537	5	580	0	389	3	553	4	518	0	453	0	336	0	424	0	374	1	420	0	97	2	487
Oct. 28-Nov. 3	3	675	12	741	0	527	0	537	0	580	0	389	2	555	0	518	0	453	0	336	0	424	0	374	0	420	0	97	1	488
Nov. 4-10	9	684	8	749	0	527	0	537	0	580	0	389	2	557	2	520	0	453	0	336	6	430	0	374	2	422	0	97	2	490
11-17	22	706	28	777	12	539	15	552	14	594	5	394	15	572	8	528	4	457	2	338	6	436	3	377	5	427	0	97	10	500
18-24	32	738	32	809	17	556	11	563	25	619	11	405	19	591	31	559	25	482	27	365	36	472	34	411	30	457	0	97	25	525
Nov. 25-Dec. 1	19	757	22	831	6	562	4	567	8	627	2	407	8	599	4	563	3	485	8	373	8	480	12	423	7	464	0	97	8	533
Dec. 2-8	31	788	30	861	3	565	2	569	1	628	0	407	7	606	4	567	0	485	0	373	3	483	0	423	1	465	0	97	4	537
9-15	3	791	3	864	0	565	2	571	0	628	0	407	1	607	0	567	0	485	0	373	0	483	0	423	0	465	0	97	0	537
16-22	7	798	10	874	7	572	15	586	13	628	8	415	11	618	3	570	3	488	5	378	7	490	8	431	5	470	0	97	8	545
Dec. 23-29	14	812	15	889	13	585	28	614	16	654	5	420	16	634	7	577	9	497	4	382	14	504	8	439	8	478	0	97	12	557

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1900.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.																	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.		MEANS FOR WHEAT PRODUCING DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W.		8. ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR GRAZING, &C. DISTRICTS.		CHANNEL ISLANDS.		MEANS FOR THE BRITISH ISLANDS GENERALLY.	
	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.
	NUMBERS OF HOURS OF BRIGHT SUNSHINE.																													
1900.																														
Dec.31/99-Jan.6/1900	1	1	2	2	7	7	12	12	4	4	10	10	7	7	5	5	6	6	17	17	12	12	9	9	10	10	14	14	9	9
Jan. 7-13 - -	9	10	15	17	18	25	16	28	14	18	17	27	16	23	16	21	18	24	16	33	14	26	15	24	16	26	19	33	16	25
14-20 - -	7	17	10	27	10	35	8	36	12	30	12	39	11	34	12	33	8	32	11	44	22	48	18	42	14	40	8	41	12	37
21-27 - -	4	21	10	37	7	42	9	45	7	37	9	48	8	42	6	39	6	38	10	54	11	59	11	53	9	49	12	53	9	46
Jan. 28-Feb. 3 -	13	34	8	45	7	49	3	48	5	42	5	53	5	47	11	50	9	47	13	67	22	81	28	81	17	66	12	65	11	57
Feb. 4-10 - -	21	55	25	70	18	67	28	76	21	63	24	77	23	70	23	73	8	65	33	100	31	112	27	108	26	92	23	88	24	81
11-17 - -	16	71	21	91	16	83	16	92	20	83	21	98	19	89	21	94	25	90	23	123	23	135	24	132	23	115	23	111	21	102
18-24 - -	16	87	13	104	16	99	21	113	19	102	20	118	18	107	14	108	21	111	19	142	15	150	25	157	19	134	17	128	19	121
Feb. 25-Mar. 3 -	16	103	11	115	9	108	13	126	2	104	9	127	9	116	15	123	9	120	6	148	8	158	13	170	10	144	15	143	10	131
Mar. 4-10 - -	19	122	18	133	9	117	20	146	7	111	15	142	14	130	13	136	8	128	6	154	11	169	10	180	10	154	6	149	12	143
11-17 - -	24	146	23	156	23	140	26	172	25	136	22	164	24	154	33	169	32	160	33	187	26	195	26	206	30	184	35	184	27	170
18-24 - -	15	161	8	164	9	149	20	192	13	149	20	184	14	168	19	188	19	179	19	206	9	204	15	221	16	200	23	207	15	185
25-31 - -	34	195	32	196	31	180	40	232	29	178	34	218	33	201	30	218	37	216	43	249	31	235	35	256	35	235	43	250	31	219
April 1-7 - -	29	224	31	227	25	205	33	265	36	214	32	250	31	232	23	241	34	250	28	277	29	264	28	284	28	263	35	285	30	249
8-14 - -	31	255	33	260	33	238	37	302	29	243	40	290	34	266	34	275	29	279	30	307	23	287	17	301	27	298	37	322	30	279
15-21 - -	39	294	47	307	51	289	56	358	56	299	58	348	54	320	48	323	54	333	65	372	55	342	60	361	56	346	65	387	55	334
22-28 - -	17	311	23	330	31	320	53	411	38	337	49	397	39	359	37	360	44	377	52	424	22	364	24	385	36	382	58	445	38	372
April 29-May 5 -	28	339	26	356	24	344	47	458	27	364	45	442	34	393	31	391	30	407	33	457	24	388	26	411	29	411	46	491	32	404
May 6-12 - -	34	373	13	369	16	360	27	485	20	384	28	470	21	414	27	418	24	431	36	493	29	417	32	443	29	440	58	549	25	429
13-19 - -	40	413	47	416	41	401	50	535	42	426	50	520	46	460	62	480	59	490	72	565	50	467	65	508	62	502	67	616	54	483
20-26 - -	26	439	35	451	28	429	43	578	35	461	42	562	36	496	38	518	47	537	52	617	29	496	33	541	40	542	53	669	38	521
May 27-June 2 -	48	487	34	485	29	458	30	608	34	495	44	606	34	530	54	572	59	596	58	675	69	565	70	611	62	604	60	729	48	569
June 3-9 - -	36	523	28	513	30	488	47	655	45	540	62	668	42	572	47	619	47	643	44	719	45	610	39	650	44	648	59	788	43	612
10-16 - -	46	569	50	563	52	540	63	718	48	588	53	721	53	625	36	655	48	691	31	750	36	646	36	686	37	685	38	826	45	657
17-23 - -	29	598	32	595	36	576	48	766	45	633	49	770	42	667	44	699	50	741	47	797	34	680	37	723	43	728	48	874	43	700
24-30 - -	10	608	17	612	20	596	34	800	22	655	34	804	26	693	31	730	27	768	33	830	26	708	29	752	30	758	46	920	28	728
July 1-7 - -	33	641	43	655	39	635	47	847	42	697	47	851	43	736	51	781	47	815	56	886	46	754	43	795	49	807	53	973	46	774
8-14 - -	22	663	37	692	47	682	73	920	60	757	73	924	58	794	26	807	50	865	75	961	38	792	43	838	46	853	83	1056	52	826
15-21 - -	34	697	32	724	54	736	82	1002	67	824	80	1004	63	857	31	838	55	920	56	1017	36	828	26	864	41	894	62	1118	52	878
22-28 - -	18	715	22	746	41	777	68	1070	59	883	64	1068	51	908	28	866	43	963	42	1059	24	852	37	901	35	929	62	1180	43	921
July 29-Aug. 4 -	28	743	35	781	42	819	44	1114	47	930	52	1120	44	952	40	906	44	1007	57	1116	36	888	42	943	44	973	65	1245	44	965
Aug. 5-11 - -	37	780	26	807	18	837	29	1143	22	952	27	1147	24	976	14	920	21	1028	50	1166	21	909	32	975	28	1001	51	1296	26	991
12-18 - -	39	819	44	851	52	889	73	1216	62	1014	80	1227	62	1038	54	974	67	1095	85	1251	59	968	68	1043	66	1067	82	1378	64	1055
19-25 - -	17	836	12	863	14	903	35	1251	29	1043	54	1281	29	1067	15	989	27	1122	37	1288	18	986	19	1062	23	1090	54	1432	26	1081
Aug. 26-Sept. 1 -	33	869	26	889	21	924	30	1281	24	1067	33	1314	27	1094	28	1017	37	1159	34	1322	25	1011	32	1094	31	1121	40	1472	29	1110
Sept. 2-8 - -	10	879	19	908	29	953	43	1324	44	1111	59	1373	39	1133	33	1050	52	1211	66	1388	29	1040	52	1146	46	1167	69	1541	43	1153
9-15 - -	48	927	57	965	50	1003	40	1364	44	1155	56	1429	49	1182	58	1108	62	1273	49	1437	62	1102	64	1210	59	1226	66	1607	54	1207
16-22 - -	20	947	31	996	29	1032	44	1408	26	1181	48	1477	36	1218	23	1131	27	1300	33	1470	21	1123	23	1233	26	1252	53	1660	31	1238
23-29 - -	13	960	18	1014	23	1055	34	1442	28	1209	42	1519	29	1247	18	1149	28	1328	36	1506	21	1144	25	1258	26	1278	41	1704	27	1265
Sept. 30-Oct. 6 -	24	984	28	1042	24	1079	36	1478	26	1235	31	1550	29	1276	28	1177	22	1350	33	1539	29	1173	28	1286	28	1306	41	1745	29	1294
Oct. 7-13 - -	9	993	13	1055	18	1097	42	1520	31	1266	36	1586	28	1304	14	1191	19	1369	28	1567	15	1188	21	1307	19	1325	34	1779	23	1317
14-20 - -	22	1015	20	1075	20	1117	31	1551	26	1292	29	1615	25	1329	19	1210	21	1390	38	1605	25	1213	32	1339	27	1352	33	1812	26	1343
21-27 - -	16	1031	14	1089	19	1136	14	1565	20	1312	19	1634	17	1346	20	1230	18	1408	25	1630	17	1230	23	1362	21	1373	18	1830	19	1362
Oct. 28-Nov. 3 -	11	1042	16	1105	13	1149	18	1583	11	1323	16	1650	15	1361	9	1239	11	1419	6	1636	10	1240	6	1368	8	1381	11	1841	12	1374
Nov. 4-10 - -	6	1048	6	1111	8	1157	20	1603	14	1337	15	1665	13	1374	7	1246	9	1428	16	1652	14	1254	15	1383	12	1393	14	1855	12	1386
11-17 - -	12	1060	13	1124	13	1170	17	1620	12	1349	15	1680	14	1388	16	1262	14	1442	21	1673	18	1272	18	1401	18	1411	14	1869	16	1402
18-24 - -	12	1072	6	1130	3	1173	10	1630	10	1359	9	1689	7	1395	13	1275	16	1458	22	1695	12	1284	12	1413	15	1426	11	1880	11	1413
Nov. 25-Dec. 1 -	5	1077	5	1135	6	1179	8	1638	10	1369	13	1702	8	1403	8	1283	8	1466	14	1709	6	1290	12	1425	10	1436	17	1897	9	1422
Dec. 2-8 - -	4	1081	4	1139	3	1182	3	1641	1	1370	3	1705	3	1406	1	1284	2	1468	2	1711	3	1293	2	1427	2	1438	5	1902	3	1425
9-15 - -	3	1084	9	1148	9	1191	9	1650	8	1378	6	1711	8	1414	5	1289	12	1480	9	1720	10	1303	11	1438	9	1447	10	1912	9	1434
16-22 - -	5	1089	6	1154	7	1198	20	1670	13	1391	17	1728	13	1427	5	1294	8	1488	8	1728	4	1307	15	1453	8	1455	13	1925	10	1444
Dec. 23-29 - -	3	1092	5	1159	3	1201	10	1680	6	1397	9	1737	7	1434	4	1298	7	1495	6	1734	4	1311	6	1459	5	1460	9	1934	6	1450

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES FOR THE PERCENTAGES OF THE POSSIBLE DURATION OF BRIGHT SUNSHINE IN EACH DISTRICT WHICH WAS ACTUALLY RECORDED DURING THE YEAR 1900.

DATE. — LIMITS OF WEEKS.	Principal Wheat-producing Districts.														Principal Grazing, &c. Districts.																	
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.		Means for Wheat Producing Districts.		6. Scotland, W.		7. England, N.W.		8. England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Grazing, &c. Districts.		Channel Islands.		Means for the British Islands generally.	
	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.	Weekly.	From Dec. 31/99.
	Percentages of Possible Duration.																													
1900.																														
Dec.31/99–Jan.6/1900	1	1	3	3	13	13	22	22	8	8	18	18	13	13	10	10	12	12	31	31	23	23	17	17	19	19	25	25	16	16
Jan. 7–13	18	10	29	18	34	23	29	25	19	30	24	29	22	31	21	33	22	28	29	27	25	28	23	29	24	32	30	29	23	
14–20	14	11	20	18	18	21	15	22	21	20	20	22	19	21	23	21	14	19	18	26	39	31	32	26	25	25	14	24	22	23
21–27	8	10	19	18	13	19	15	20	11	18	15	20	15	19	11	19	10	17	16	23	20	28	18	24	15	22	19	22	15	21
Jan 28–Feb. 3	23	13	15	17	12	18	5	17	8	16	8	17	10	19	19	19	15	17	21	23	37	30	45	29	28	23	19	19	19	21
Feb. 4–10	36	17	40	22	28	20	43	21	33	20	36	21	36	21	36	22	29	19	50	28	49	33	42	31	41	26	34	20	39	24
11–17	25	19	32	24	25	20	24	21	30	22	30	22	28	22	32	24	38	21	34	29	35	34	36	32	35	28	32	23	32	25
18–24	24	20	19	23	23	20	29	22	27	23	28	23	25	22	21	23	29	22	26	29	21	32	35	33	26	28	23	23	25	25
Feb. 25–Mar. 3	22	20	15	22	11	19	17	21	2	20	12	21	11	21	20	23	12	21	8	26	12	29	17	31	14	26	20	23	13	24
Mar. 4–10	25	21	24	22	12	18	26	21	9	19	18	21	18	20	17	22	10	20	7	24	14	27	13	29	12	24	8	21	15	22
11–17	30	22	29	23	29	20	31	22	31	21	27	22	29	22	40	24	40	22	41	26	33	28	32	29	37	26	43	24	33	23
18–24	17	21	10	22	10	18	24	22	15	20	24	22	17	21	22	24	23	22	22	25	10	26	17	28	19	25	27	24	18	23
25–31	38	23	35	23	35	20	45	24	33	22	39	24	38	23	35	25	42	25	49	28	36	27	39	29	40	27	49	28	39	25
Apr. 1–7	31	24	34	24	27	21	36	25	39	24	35	25	34	24	26	25	37	26	31	28	32	28	31	29	32	27	38	29	33	26
8–14	32	25	35	25	35	22	39	26	31	24	42	26	36	25	36	26	30	26	32	28	24	27	18	28	28	27	39	30	32	26
15–21	39	26	43	27	51	25	57	29	58	27	60	29	55	27	49	28	55	28	67	32	56	30	61	31	58	30	68	34	57	29
22–28	16	25	22	27	30	25	53	31	37	28	49	30	38	28	37	29	44	30	52	33	22	29	24	31	36	30	58	36	37	29
Apr. 29–May 5	26	26	25	27	23	25	46	32	26	28	44	32	33	29	29	29	29	30	32	33	23	29	24	30	28	30	45	36	31	30
May 6–12	31	26	12	26	15	24	26	31	18	28	27	31	20	28	25	29	22	29	34	33	27	29	30	30	28	30	55	39	24	29
13–19	35	27	42	27	36	25	43	32	30	29	47	32	41	29	56	31	53	31	67	36	45	30	59	32	56	32	63	40	49	31
20–26	22	26	30	27	25	25	39	33	32	29	38	32	33	29	34	31	41	32	47	36	26	30	29	32	35	32	49	41	34	31
May 27–June 2	38	28	28	27	25	25	27	32	30	29	39	33	30	29	47	32	52	33	52	37	60	31	62	34	55	33	55	42	43	31
June 3–9	28	28	23	27	26	25	41	32	40	30	55	34	37	30	40	32	41	34	39	38	40	32	34	34	39	34	53	43	38	32
10–16	38	29	42	28	44	26	55	33	42	31	46	35	46	31	30	32	41	34	28	37	35	32	31	34	33	34	33	43	40	33
17–23	23	28	27	28	30	26	42	34	39	31	43	35	36	31	36	33	42	34	41	37	31	32	32	34	36	34	43	43	36	33
24–30	8	27	14	27	17	26	29	33	20	31	30	35	22	30	27	32	23	34	29	37	28	32	25	33	26	34	41	43	24	32
July 1–7	26	27	35	27	33	26	42	34	36	31	42	35	38	31	43	33	40	34	50	37	42	32	37	33	42	34	48	43	40	33
8–14	18	27	31	28	41	27	64	35	52	32	65	37	51	32	22	32	44	34	67	39	33	32	38	34	41	34	75	45	46	33
15–21	29	27	28	27	48	28	74	37	60	33	73	38	56	33	27	32	48	35	51	39	32	32	23	33	36	34	57	46	46	33
22–28	16	26	19	27	36	28	62	37	54	34	59	39	46	33	25	32	39	35	39	39	21	32	34	33	32	34	58	46	39	34
July 29–Aug. 4	24	26	32	27	38	29	42	38	44	34	49	39	41	33	37	32	40	35	54	40	33	32	39	33	41	34	62	47	41	34
Aug. 5–11	34	26	24	27	17	28	28	37	21	34	27	39	23	33	13	31	20	34	48	40	19	31	31	33	26	34	49	47	25	34
12–18	37	26	43	28	50	29	72	38	61	35	79	40	61	34	52	32	66	35	85	42	57	32	67	34	65	35	82	48	63	35
19–25	17	26	12	27	14	29	35	38	29	35	55	41	29	34	15	31	27	35	35	41	18	31	20	34	23	35	56	49	26	35
Aug. 26–Sept. 1	33	26	27	27	24	29	32	38	25	34	35	41	29	34	29	31	38	35	35	41	26	31	34	34	32	34	42	48	31	34
Sept. 2–8	11	26	21	27	31	29	47	38	48	35	64	41	42	34	36	31	56	35	72	42	31	31	57	34	50	35	75	49	46	35
9–15	53	27	64	28	56	30	46	38	49	35	63	42	56	35	65	32	69	36	55	42	70	32	72	35	66	35	75	50	61	35
16–22	23	27	36	28	33	29	51	38	30	35	56	42	41	34	26	32	31	36	39	42	25	32	27	35	30	35	62	50	34	35
23–29	15	26	22	28	29	29	40	38	34	35	51	42	35	34	22	32	34	36	43	42	26	32	30	35	31	35	52	50	33	35
Sept. 30–Oct. 6	31	26	36	28	30	29	46	39	33	35	39	42	37	35	36	32	28	36	41	42	37	32	36	35	36	35	51	50	37	35
Oct. 7–13	12	26	17	28	24	29	55	39	41	35	48	42	37	35	18	32	25	35	37	42	20	32	28	35	26	35	45	50	32	35
14–20	32	26	29	28	28	29	42	39	36	35	39	42	35	35	27	31	29	35	51	42	35	32	45	35	37	35	45	50	36	35
21–27	24	26	21	28	27	29	21	39	28	35	27	42	25	35	31	31	26	35	36	42	25	32	33	35	30	35	26	49	28	35
Oct. 28–Nov. 3	17	26	26	28	21	29	28	38	16	35	24	41	23	34	15	31	16	35	8	42	16	31	9	35	13	35	16	49	18	35
Nov. 4–10	11	26	10	27	13	29	32	38	22	35	23	41	20	34	11	31	15	34	25	41	22	31	23	34	19	34	21	48	20	34
11–17	21	26	23	27	21	29	28	38	19	34	23	41	23	34	27	31	24	34	34	41	31	31	30	34	29	34	22	48	26	34
18–24	23	26	11	27	6	28	18	38	17	34	15	40	13	33	23	31	28	34	38	41	22	31	21	34	26	34	18	47	20	34
Nov. 25–Dec. 1	10	25	11	27	10	28	14	37	18	34	22	40	15	33	15	30	15	34	24	41	11	31	21	34	17	34	30	47	16	34
Dec. 2–8	9	25	9	27	6	28	5	37	2	34	5	40	5	33	3	30	4	34	3	40	5	30	4	34	4	34	8	46	5	34
9–15	7	25	20	27	18	28	17	37	15	33	12	39	16	33	11	30	21	33	17	40	20	30	21	33	18	33	18	46	17	33
16–22	11	25	13	26	14	28	37	37	26	33	32	39	24	33	11	30	17	33	14	40	9	30	30	33	16	33	24	46	20	33
Dec. 23–29	7	25	11	26	5	27	19	36	11	33	16	39	13	32	8	29	13	33	10	39	7	30	12	33	10	33	15	45	12	32

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TABLE I.—SHOWING FOR EACH DISTRICT DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

NUMBERS OF WEEKS.	YEARS.	0. SCOTLAND, N	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						CHANNEL ISLANDS.	MEANS FOR BRITISH ISLANDS GENERALLY.
			1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.	MEANS FOR WHEAT-PRODUCING DISTRICTS.	6. SCOTLAND, W.	7. ENGLAND, N.W.	8. ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR GRAZING, &C. DISTRICTS.		
		NUMBERS OF DAYS WITH RAIN														
1	1896-1900	5	5	5	5	5	4	5	6	5	6	6	6	6	6	6
	1881-1900	**5**	**4**	**4**	**4**	**4**	**3**	**4**	**5**	**4**	**4**	**5**	**5**	**5**	**5**	**5**
2	1896-1900	10	9	9	9	8	7	8	10	9	9	10	9	9	10	9
	1881-1900	**10**	**7**	**8**	**8**	**7**	**7**	**7**	**8**	**8**	**8**	**9**	**8**	**8**	**9**	**8**
3	1896-1900	17	14	13	13	12	12	13	15	13	14	15	14	14	16	14
	1881-1900	**16**	**12**	**12**	**12**	**11**	**11**	**12**	**13**	**12**	**12**	**14**	**13**	**13**	**14**	**13**
4	1896-1900	22	17	16	17	15	14	16	19	17	17	19	17	18	20	17
	1881-1900	**21**	**15**	**15**	**16**	**15**	**14**	**15**	**18**	**16**	**17**	**19**	**17**	**17**	**19**	**16**
5	1896-1900	26	21	21	21	19	19	20	23	21	22	24	22	22	24	21
	1881-1900	**27**	**20**	**19**	**20**	**19**	**19**	**19**	**23**	**21**	**22**	**24**	**22**	**22**	**24**	**21**
6	1896 1900	32	25	24	25	23	22	24	28	26	26	29	27	27	29	26
	1881-1900	**32**	**24**	**23**	**23**	**23**	**22**	**23**	**28**	**25**	**26**	**29**	**27**	**27**	**28**	**25**
7	1896-1900	37	28	27	28	27	26	27	33	31	30	34	30	32	33	30
	1881-1900	**37**	**28**	**26**	**27**	**26**	**26**	**27**	**32**	**29**	**30**	**33**	**31**	**31**	**33**	**29**
8	1896-1900	41	32	30	31	30	28	30	37	34	34	38	34	35	37	33
	1881-1900	**41**	**31**	**29**	**30**	**29**	**28**	**29**	**36**	**32**	**33**	**37**	**34**	**34**	**37**	**32**
9	1896-1900	46	36	34	35	33	32	34	41	38	37	42	37	39	41	37
	1881-1900	**46**	**35**	**33**	**34**	**32**	**32**	**33**	**39**	**36**	**36**	**41**	**38**	**38**	**40**	**36**
10	1896-1900	51	40	37	38	36	35	37	45	42	41	47	41	43	46	40
	1881-1900	**51**	**39**	**37**	**38**	**36**	**35**	**37**	**44**	**40**	**40**	**45**	**42**	**42**	**45**	**40**
11	1896-1900	56	44	40	41	39	37	40	49	46	45	52	45	47	50	44
	1881-1900	**56**	**43**	**40**	**40**	**38**	**37**	**40**	**47**	**43**	**43**	**50**	**45**	**46**	**48**	**43**
12	1896-1900	62	49	45	46	43	41	45	54	50	49	57	49	52	54	49
	1881-1900	**61**	**47**	**44**	**44**	**42**	**41**	**44**	**52**	**47**	**47**	**54**	**48**	**50**	**52**	**47**
13	1896-1900	67	53	49	49	46	44	48	58	53	54	61	53	56	58	52
	1881-1900	**66**	**50**	**47**	**47**	**45**	**43**	**46**	**55**	**50**	**51**	**58**	**52**	**53**	**56**	**50**

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TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Days with Rain.														
14	1896–1900	72	58	53	53	50	48	52	63	57	58	67	58	60	62	57
	1881–1900	**69**	**54**	**50**	**50**	**48**	**46**	**50**	**58**	**53**	**53**	**62**	**56**	**56**	**59**	**53**
15	1896–1900	78	62	57	57	55	52	57	68	62	63	72	63	66	68	62
	1881–1900	**74**	**57**	**54**	**54**	**51**	**49**	**53**	**62**	**57**	**57**	**66**	**59**	**60**	**63**	**57**
16	1896–1900	82	66	60	60	58	54	60	72	65	66	76	66	69	71	65
	1881–1900	**77**	**61**	**58**	**57**	**54**	**52**	**56**	**66**	**60**	**60**	**69**	**63**	**64**	**66**	**60**
17	1896–1900	86	70	63	63	61	57	63	75	69	69	80	69	72	74	68
	1881–1900	**82**	**65**	**62**	**61**	**58**	**56**	**60**	**70**	**64**	**64**	**74**	**67**	**68**	**70**	**64**
18	1896–1900	91	74	66	66	64	61	66	80	73	73	85	73	77	78	72
	1881–1900	**86**	**68**	**65**	**64**	**61**	**59**	**63**	**74**	**67**	**68**	**77**	**71**	**71**	**74**	**67**
19	1896–1900	95	77	69	69	67	63	69	83	77	76	89	76	80	80	75
	1881–1900	**90**	**71**	**68**	**67**	**64**	**61**	**66**	**77**	**70**	**70**	**82**	**74**	**75**	**76**	**71**
20	1896–1900	98	80	72	71	69	65	71	86	79	78	92	78	83	82	77
	1881–1900	**95**	**75**	**71**	**70**	**67**	**64**	**69**	**81**	**74**	**73**	**86**	**77**	**78**	**79**	**74**
21	1896–1900	102	84	76	75	72	68	75	89	82	81	96	82	86	86	81
	1881–1900	**98**	**79**	**74**	**73**	**70**	**67**	**73**	**84**	**77**	**77**	**89**	**81**	**82**	**83**	**78**
22	1896–1900	105	87	78	78	74	70	77	92	84	83	98	84	88	88	83
	1881–1900	**102**	**82**	**77**	**75**	**73**	**70**	**75**	**87**	**80**	**80**	**93**	**85**	**85**	**86**	**80**
23	1896–1900	109	89	80	80	77	72	90	95	87	85	102	88	91	90	91
	1881–1900	**106**	**85**	**80**	**78**	**75**	**73**	**78**	**90**	**82**	**83**	**96**	**88**	**88**	**89**	**83**
24	1896–1900	112	92	83	83	79	75	82	99	90	88	106	91	95	94	89
	1881–1900	**110**	**88**	**83**	**81**	**78**	**75**	**81**	**94**	**85**	**85**	**100**	**91**	**91**	**92**	**86**
25	1896–1900	117	97	87	86	83	78	86	104	94	92	112	96	100	98	93
	1881–1900	**114**	**91**	**86**	**84**	**81**	**78**	**84**	**97**	**89**	**89**	**104**	**94**	**95**	**95**	**90**
26	1896–1900	121	101	91	89	87	81	90	109	98	94	116	100	103	101	97
	1881–1900	**117**	**95**	**89**	**86**	**84**	**80**	**87**	**101**	**92**	**91**	**108**	**97**	**98**	**98**	**93**
27	1896–1900	126	105	94	92	89	83	93	113	101	97	120	103	107	103	100
	1881–1900	**122**	**99**	**92**	**89**	**87**	**83**	**90**	**105**	**95**	**95**	**112**	**101**	**102**	**102**	**96**
28	1896–1900	129	108	96	93	90	84	94	116	103	98	123	106	109	105	102
	1881–1900	**126**	**103**	**95**	**92**	**91**	**86**	**93**	**109**	**99**	**98**	**117**	**105**	**106**	**105**	**100**

TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Days with Rain.														
29	1896–1900	133	111	98	95	93	85	96	120	106	101	127	110	113	108	105
	1881–1900	**131**	**107**	**99**	**96**	**94**	**89**	**97**	**114**	**103**	**103**	**121**	**109**	**110**	**109**	**104**
30	1896–1900	138	115	101	97	95	87	99	124	108	103	131	112	116	110	108
	1881–1900	**135**	**111**	**102**	**99**	**97**	**92**	**100**	**117**	**106**	**106**	**126**	**113**	**114**	**112**	**107**
31	1896–1900	142	118	104	100	98	89	102	128	112	106	135	116	119	114	111
	1881–1900	**140**	**114**	**105**	**102**	**100**	**95**	**103**	**121**	**110**	**109**	**130**	**117**	**117**	**115**	**110**
32	1896–1900	145	122	107	103	101	92	105	131	116	110	139	119	123	117	114
	1881–1900	**144**	**118**	**109**	**106**	**104**	**98**	**107**	**125**	**114**	**113**	**135**	**121**	**122**	**119**	**115**
33	1896–1900	149	125	110	106	103	94	108	136	119	112	143	122	126	119	117
	1881–1900	**149**	**123**	**113**	**109**	**107**	**101**	**111**	**129**	**118**	**116**	**139**	**125**	**125**	**122**	**118**
34	1896–1900	133	128	114	109	107	97	111	140	124	117	148	127	131	124	121
	1881–1900	**153**	**126**	**116**	**113**	**111**	**105**	**114**	**134**	**122**	**120**	**144**	**129**	**130**	**127**	**122**
35	1896–1900	158	134	118	113	111	101	115	146	128	121	153	132	136	128	126
	1881–1900	**158**	**131**	**121**	**117**	**114**	**108**	**118**	**139**	**126**	**125**	**149**	**133**	**134**	**131**	**126**
36	1896–1900	163	138	120	115	113	104	118	149	131	124	157	135	139	131	129
	1881–1900	**163**	**134**	**124**	**120**	**117**	**112**	**121**	**142**	**130**	**128**	**154**	**137**	**138**	**134**	**130**
37	1896–1900	167	142	123	118	115	106	121	153	135	127	161	138	143	134	132
	1881–1900	**167**	**138**	**126**	**122**	**120**	**114**	**124**	**146**	**132**	**131**	**157**	**140**	**141**	**137**	**133**
38	1896–1900	173	146	127	121	119	109	124	158	139	131	166	142	147	138	136
	1881–1900	**172**	**142**	**130**	**125**	**123**	**117**	**127**	**150**	**136**	**134**	**161**	**144**	**145**	**141**	**136**
39	1896–1900	179	152	131	125	123	114	129	164	144	137	172	148	153	143	141
	1881–1900	**177**	**146**	**134**	**129**	**126**	**121**	**131**	**154**	**140**	**139**	**166**	**148**	**149**	**146**	**140**
40	1896–1900	184	155	134	127	126	116	132	168	148	140	177	151	157	147	145
	1881–1900	**182**	**150**	**137**	**134**	**130**	**125**	**135**	**159**	**145**	**143**	**171**	**152**	**154**	**150**	**145**
41	1896–1900	189	160	138	131	130	120	136	174	153	145	183	157	162	151	149
	1881–1900	**188**	**155**	**142**	**137**	**134**	**129**	**139**	**163**	**149**	**148**	**176**	**156**	**158**	**155**	**149**
42	1896–1900	193	163	142	135	134	123	139	177	156	149	180	159	165	155	152
	1881–1900	**192**	**159**	**146**	**141**	**138**	**132**	**143**	**167**	**153**	**152**	**180**	**160**	**162**	**159**	**153**
43	1896–1900	198	167	146	138	137	126	143	181	160	153	191	164	170	160	157
	1881–1900	**197**	**163**	**150**	**145**	**142**	**136**	**147**	**171**	**157**	**156**	**184**	**164**	**166**	**165**	**157**

TABLE I.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF RAINY DAYS FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Days with Rain.														
44	1896–1900	203	172	151	142	141	130	147	185	165	157	195	168	174	165	161
	1881–1900	**203**	**167**	**154**	**149**	**147**	**140**	**151**	**176**	**162**	**161**	**190**	**169**	**172**	**170**	**162**
45	1896–1900	208	177	155	146	145	133	151	190	169	161	200	173	179	170	165
	1881–1900	**208**	**172**	**158**	**153**	**151**	**144**	**156**	**180**	**166**	**166**	**194**	**174**	**176**	**175**	**166**
46	1896–1900	213	180	158	149	148	136	154	195	172	164	204	176	182	174	168
	1881–1900	**213**	**176**	**163**	**158**	**155**	**148**	**160**	**185**	**170**	**171**	**199**	**178**	**181**	**180**	**171**
47	1896–1900	219	185	163	153	151	140	158	199	175	168	208	179	186	178	172
	1881–1900	**218**	**180**	**167**	**162**	**158**	**152**	**164**	**190**	**175**	**175**	**204**	**183**	**185**	**185**	**175**
48	1896–1900	224	189	167	156	154	143	162	202	178	172	212	184	190	182	176
	1881–1900	**223**	**184**	**171**	**166**	**162**	**156**	**168**	**194**	**179**	**180**	**209**	**187**	**190**	**190**	**179**
49	1896–1900	229	194	172	160	160	148	167	209	184	178	218	190	196	188	182
	1881–1900	**229**	**189**	**175**	**170**	**167**	**160**	**172**	**199**	**184**	**185**	**214**	**192**	**195**	**196**	**184**
50	1896–1900	235	195	175	164	164	152	170	214	189	183	224	195	201	193	186
	1881–1900	**235**	**193**	**179**	**174**	**171**	**165**	**176**	**204**	**189**	**190**	**220**	**197**	**200**	**201**	**188**
51	1896–1900	240	203	178	167	166	154	174	217	191	186	228	199	204	197	189
	1881–1900	**240**	**197**	**183**	**177**	**174**	**168**	**180**	**208**	**192**	**194**	**225**	**201**	**204**	**206**	**192**
52	1896–1900	247	208	182	172	171	160	179	224	197	192	234	204	210	203	195
	1881–1900	**245**	**201**	**187**	**181**	**178**	**172**	**184**	**213**	**196**	**198**	**229**	**206**	**208**	**210**	**196**

TABLE II.—SHOWING FOR EACH DISTRICT DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE AMOUNTS OF RAINFALL FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	
		Amounts in Inches													
1	1896–1900	0·81	0·83	0·80	0·75	0·95	0·77	0·82	1·32	0·99	1·26	0·94	1·42	1·19	1·35	1·01
	1881–1900	**0·79**	**0·59**	**0·47**	**0·47**	**0·48**	**0·41**	**0·48**	**1·07**	**0·67**	**0·71**	**0·78**	**1·06**	**0·86**	**0·75**	**0·67**
2	1896–1900	1·69	1·11	1·06	1·08	1·30	1·09	1·13	2·04	1·43	1·95	1·31	1·97	1·74	1·81	1·44
	1881–1900	**1·59**	**0·94**	**0·84**	**0·82**	**0·83**	**0·83**	**0·85**	**1·80**	**1·12**	**1·38**	**1·34**	**1·81**	**1·49**	**1·36**	**1·17**
3	1896–1900	3·85	2·00	1·49	1·48	1·80	1·66	1·69	3·51	2·46	3·02	2·23	2·92	2·83	2·51	2·26
	1881–1900	**3·01**	**1·63**	**1·19**	**1·17**	**1·28**	**1·33**	**1·32**	**2·93**	**1·83**	**2·15**	**2·08**	**2·58**	**2·31**	**1·94**	**1·82**
4	1896–1900	5·12	2·28	1·66	1·79	2·07	1·90	1·94	4·20	3·04	3·60	2·81	3·40	3·41	2·93	2·68
	1881–1900	**4·49**	**2·16**	**1·57**	**1·60**	**1·85**	**1·83**	**1·80**	**4·07**	**2·63**	**3·06**	**2·95**	**3·47**	**3·24**	**2·65**	**2·52**
5	1896–1900	5·92	2·60	2·23	2·46	2·70	2·70	2·54	4·84	3·67	4·43	3·37	4·07	4·08	3·71	3·31
	1881–1900	**5·68**	**2·69**	**2·04**	**2·08**	**2·47**	**2·47**	**2·35**	**5·10**	**3·39**	**4·00**	**3·72**	**4·37**	**4·12**	**3·39**	**3·24**
6	1896–1900	6·91	3·03	2·52	2·70	3·14	3·20	2·92	5·85	4·35	5·38	4·09	5·22	4·98	4·38	3·95
	1881–1900	**6·71**	**3·19**	**2·40**	**2·44**	**2·96**	**3·00**	**2·80**	**6·18**	**4·08**	**4·78**	**4·52**	**5·33**	**4·98**	**3·98**	**3·89**
7	1896–1900	8·44	3·53	2·82	3·19	3·77	3·90	3·44	6·78	4·98	6·51	4·72	5·91	5·78	5·14	4·61
	1881–1900	**7·74**	**3·74**	**2·78**	**2·89**	**3·49**	**3·56**	**3·29**	**7·17**	**4·63**	**5·62**	**5·15**	**6·06**	**5·73**	**4·71**	**4·51**
8	1896–1900	9·31	4·10	3·17	3·52	4·21	4·32	3·86	7·62	5·47	7·23	5·41	6·57	6·46	5·61	5·16
	1881–1900	**8·44**	**4·16**	**3·07**	**3·15**	**3·81**	**3·88**	**3·61**	**7·85**	**5·07**	**6·15**	**5·66**	**6·82**	**6·31**	**5·18**	**4·96**
9	1896–1900	10·22	4·55	3·74	3·93	4·71	4·82	4·35	8·44	6·11	7·88	6·24	7·29	7·19	6·28	5·77
	1881–1900	**9·16**	**4·60**	**3·59**	**3·56**	**4·25**	**4·37**	**4·07**	**8·55**	**5·60**	**6·82**	**6·31**	**7·49**	**6·95**	**5·75**	**5·51**
10	1896–1900	11·26	5·00	3·97	4·18	5·03	5·24	4·68	9·26	6·72	8·61	7·05	8·16	7·96	6·95	6·32
	1881–1900	**10·13**	**5·12**	**4·08**	**3·94**	**4·65**	**4·82**	**4·52**	**9·37**	**6·21**	**7·51**	**6·94**	**8·18**	**7·64**	**6·41**	**6·08**
11	1896–1900	12·48	5·37	4·31	4·46	5·40	5·52	5·01	9·85	7·22	9·13	7·53	8·60	8·47	7·29	6·74
	1881–1900	**10·97**	**5·52**	**4·38**	**4·15**	**4·87**	**5·10**	**4·80**	**9·90**	**6·58**	**7·92**	**7·35**	**8·69**	**8·09**	**6·75**	**6·45**
12	1896–1900	13·52	6·20	4·87	5·15	5·83	6·13	5·64	10·97	7·74	9·83	8·12	9·26	9·19	7·74	7·42
	1881–1900	**11·94**	**6·04**	**4·81**	**4·67**	**5·30**	**5·57**	**5·28**	**10·73**	**7·16**	**8·52**	**7·93**	**9·24**	**8·72**	**7·19**	**7·00**
13	1896–1900	14·58	6·73	5·39	5·48	6·12	6·44	6·03	11·75	8·32	10·37	8·71	9·90	9·81	8·28	7·92
	1881–1900	**12·64**	**6·47**	**5·21**	**4·95**	**5·64**	**5·87**	**5·63**	**11·39**	**7·68**	**9·11**	**8·57**	**9·94**	**9·34**	**7·66**	**7·49**
14	1896–1900	15·39	7·19	5·65	5·92	6·48	6·79	6·41	12·52	8·82	11·07	9·47	10·73	10·52	8·78	8·47
	1881–1900	**13·10**	**6·78**	**5·49**	**5·21**	**6·03**	**6·15**	**5·93**	**11·88**	**8·10**	**9·56**	**9·06**	**10·48**	**9·82**	**7·98**	**7·88**
15	1896–1900	16·85	8·00	6·29	6·38	7·15	7·25	7·01	13·76	9·85	11·98	10·46	11·82	11·57	9·34	9·29
	1881–1900	**13·85**	**7·24**	**5·92**	**5·60**	**6·45**	**6·46**	**6·33**	**12·56**	**8·66**	**10·07**	**9·60**	**11·10**	**10·40**	**8·38**	**8·37**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE AMOUNTS OF RAINFALL FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches.														
16	1896–1900	17·42	8·30	6·43	6·62	7·38	7·52	7·25	14·28	10·20	12·38	11·15	12·53	12·11	9·65	9·68
	1881–1900	**14·34**	**7·58**	**6·21**	**5·90**	**6·78**	**6·82**	**6·66**	**13·11**	**9·03**	**10·50**	**10·12**	**11·62**	**10·88**	**8·80**	**8·77**
17	1896–1900	18·15	8·90	6·90	6·96	7·71	7·88	7·67	14·86	10·61	12·83	11·63	12·93	12·57	10·00	10·12
	1881–1900	**14·98**	**8·08**	**6·68**	**6·40**	**7·28**	**7·38**	**7·16**	**13·80**	**9·58**	**11·24**	**10·70**	**12·39**	**11·54**	**9·36**	**9·35**
18	1896–1900	19·11	9·39	7·18	7·19	8·01	8·21	8·00	15·76	11·10	13·55	12·46	13·57	13·29	10·49	10·65
	1881–1900	**15·61**	**8·48**	**7·03**	**6·72**	**7·63**	**7·66**	**7·50**	**14·47**	**10·03**	**11·71**	**11·33**	**12·99**	**12·11**	**9·76**	**9·81**
19	1896–1900	19·51	9·85	7·68	7·52	8·48	8·52	8·41	16·23	11·69	13·96	12·93	13·94	13·75	10·84	11·08
	1881–1900	**16·14**	**8·85**	**7·42**	**7·08**	**7·99**	**7·96**	**7·86**	**15·04**	**10·51**	**12·08**	**11·80**	**13·45**	**12·58**	**10·01**	**10·22**
20	1896–1900	20·19	10·45	8·12	8·01	8·94	8·96	8·90	16·89	12·06	14·41	13·33	14·42	14·22	11·27	11·56
	1881–1900	**16·82**	**9·44**	**7·85**	**7·55**	**8·60**	**8·41**	**8·37**	**15·87**	**11·14**	**12·67**	**12·45**	**14·11**	**13·25**	**10·46**	**10·81**
21	1896–1900	20·87	10·94	8·55	8·43	9·46	9·31	9·34	17·60	12·68	14·98	14·00	15·07	14·87	11·80	12·11
	1881–1900	**17·30**	**9·92**	**8·34**	**8·07**	**9·15**	**8·91**	**8·88**	**16·47**	**11·63**	**13·19**	**12·99**	**14·73**	**13·80**	**11·01**	**11·34**
22	1896–1900	21·30	11·14	8·77	8·81	9·75	9·61	9·62	18·02	13·08	15·22	14·35	15·34	15·20	11·99	12·41
	1881–1900	**17·83**	**10·37**	**8·75**	**8·45**	**9·67**	**9·29**	**9·31**	**17·08**	**12·24**	**13·70**	**13·52**	**15·37**	**14·38**	**11·57**	**11·85**
23	1896–1900	21·81	11·59	9·07	9·39	10·18	10·05	10·06	18·44	13·37	15·72	14·89	16·06	15·70	12·46	12·88
	1881–1900	**18·34**	**10·76**	**9·17**	**8·99**	**10·19**	**9·78**	**9·78**	**17·63**	**12·62**	**14·17**	**14·12**	**15·98**	**14·90**	**12·02**	**12·34**
24	1896–1900	22·27	12·39	9·54	9·88	10·69	10·51	10·60	19·37	13·99	16·43	15·74	16·68	16·44	12·91	13·52
	1881–1900	**18·85**	**11·26**	**9·53**	**9·39**	**10·54**	**10·10**	**10·16**	**18·26**	**13·05**	**14·62**	**14·71**	**16·45**	**15·42**	**12·27**	**12·79**
25	1896–1900	23·27	13·04	10·17	10·23	11·20	10·99	11·13	20·41	14·75	17·16	17·01	17·87	17·44	13·55	14·29
	1881–1900	**19·57**	**11·79**	**9·99**	**9·83**	**11·01**	**10·53**	**10·63**	**18·95**	**13·65**	**15·14**	**15·35**	**17·07**	**16·03**	**12·76**	**13·33**
26	1896–1900	23·86	13·60	10·74	10·83	11·90	11·44	11·70	21·52	15·55	17·62	17·81	18·41	18·18	13·88	14·94
	1881–1900	**20·13**	**12·28**	**10·49**	**10·23**	**11·59**	**10·88**	**11·09**	**19·70**	**14·34**	**15·67**	**16·08**	**17·65**	**16·69**	**13·10**	**13·89**
27	1896–1900	24·76	14·02	11·04	11·04	12·08	11·64	11·96	22·15	15·92	17·80	18·29	18·71	18·57	14·10	15·27
	1881–1900	**20·95**	**12·98**	**11·03**	**10·65**	**11·99**	**11·31**	**11·59**	**20·51**	**14·94**	**16·21**	**16·71**	**18·28**	**17·33**	**13·65**	**14·46**
28	1896–1900	25·30	14·70	11·25	11·14	12·28	11·66	12·21	22·98	16·44	18·13	18·94	19·48	19·19	14·36	15·70
	1881–1900	**21·66**	**13·65**	**11·49**	**11·29**	**12·57**	**11·83**	**12·17**	**21·40**	**15·61**	**16·96**	**17·46**	**19·06**	**18·10**	**14·23**	**15·14**
29	1896–1900	25·88	15·27	11·80	11·49	12·68	11·99	12·65	23·54	16·88	18·52	19·52	20·14	19·72	14·57	16·19
	1881–1900	**22·49**	**14·48**	**12·18**	**11·92**	**13·14**	**12·36**	**12·82**	**22·21**	**16·34**	**17·73**	**18·28**	**19·75**	**18·86**	**14·82**	**15·84**
30	1896–1900	26·89	15·96	12·18	11·88	12·98	12·24	13·05	24·36	17·40	18·89	20·31	20·85	20·36	14·75	16·71
	1881–1900	**23·13**	**15·02**	**12·87**	**12·54**	**13·71**	**12·98**	**13·42**	**22·96**	**17·19**	**18·47**	**19·05**	**20·52**	**19·64**	**15·36**	**16·53**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE AMOUNTS OF RAINFALL FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties,	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches.														
31	1896-1900	27·58	16·48	12·99	12·32	13·77	12·62	13·64	25·33	18·46	19·77	21·10	21·83	21·30	15·17	17·47
	1881-1900	**23·91**	**15·52**	**13·38**	**12·99**	**14·21**	**13·38**	**13·90**	**23·69**	**17·94**	**19·08**	**19·74**	**21·24**	**20·34**	**15·79**	**17·12**
32	1896-1900	28·21	17·27	13·66	13·01	14·36	13·14	14·29	26·40	19·39	20·42	22·04	22·98	22·25	15·76	18·27
	1881-1900	**24·69**	**16·21**	**14·02**	**13·53**	**14·76**	**13·80**	**14·46**	**24·75**	**18·79**	**19·74**	**20·65**	**22·26**	**21·24**	**16·35**	**17·85**
33	1896-1900	28·93	17·64	13·93	13·37	14·65	13·50	14·62	27·09	19·91	20·85	22·52	23·61	22·80	16·13	18·71
	1881-1900	**25·55**	**16·98**	**14·60**	**14·11**	**15·25**	**14·33**	**15·05**	**25·76**	**19·45**	**20·37**	**21·53**	**23·17**	**22·06**	**16·86**	**18·56**
34	1896-1900	29·60	18·29	14·60	13·80	15·21	13·95	15·17	27·94	20·71	21·58	23·36	24·67	23·65	16·74	19·41
	1881-1900	**26·33**	**17·62**	**15·26**	**14·73**	**15·88**	**14·93**	**15·68**	**26·68**	**20·38**	**21·20**	**22·45**	**24·25**	**22·99**	**17·52**	**19·34**
35	1896-1900	31·16	19·16	15·33	14·31	15·89	14·56	15·85	29·61	21·93	22·73	24·56	25·66	24·90	17·41	20·38
	1881-1900	**27·57**	**18·48**	**15·87**	**15·25**	**16·57**	**15·60**	**16·35**	**27·99**	**21·37**	**22·27**	**23·53**	**25·17**	**24·07**	**18·23**	**20·21**
36	1896-1900	31·74	19·49	15·62	14·86	16·51	15·28	16·35	30·05	22·35	23·26	28·98	26·30	26·19	18·14	21·27
	1881-1900	**28·22**	**18·80**	**16·33**	**15·81**	**17·06**	**16·20**	**16·84**	**28·63**	**21·94**	**22·89**	**24·12**	**25·74**	**24·66**	**18·73**	**20·75**
37	1896-1900	32·66	20·00	15·90	15·31	16·89	15·65	16·75	30·67	22·79	23·73	25·45	26·90	25·91	18·56	21·33
	1881-1900	**29·10**	**19·23**	**16·62**	**16·16**	**17·36**	**16·52**	**17·18**	**29·36**	**22·47**	**23·39**	**24·66**	**26·25**	**25·23**	**19·14**	**21·21**
38	1896-1900	34·72	20·49	16·23	15·65	17·25	15·97	17·12	32·10	23·73	24·32	26·23	27·47	26·77	19·01	21·95
	1881-1900	**30·24**	**19·81**	**17·04**	**16·57**	**17·83**	**16·97**	**17·64**	**30·38**	**23·23**	**24·06**	**25·35**	**26·89**	**25·98**	**19·70**	**21·81**
39	1896-1900	36·64	21·74	16·95	16·54	18·14	17·05	18·08	33·91	24·95	25·70	27·80	28·55	28·18	20·18	23·13
	1881-1900	**31·41**	**20·46**	**17·58**	**17·26**	**18·44**	**17·69**	**18·29**	**31·55**	**24·14**	**25·05**	**26·34**	**27·60**	**26·94**	**20·57**	**22·62**
40	1896-1900	37·54	22·22	17·47	16·84	18·69	17·46	18·54	34·88	25·80	26·55	28·54	29·41	29·04	20·67	23·79
	1881-1909	**32·83**	**21·20**	**18·14**	**17·76**	**19·00**	**18·38**	**18·90**	**32·73**	**25·09**	**26·04**	**27·23**	**28·34**	**27·89**	**21·31**	**23·40**
41	1896-1900	39·48	23·22	18·29	17·22	19·31	17·89	19·19	36·48	26·99	27·51	29·77	31·12	30·37	21·38	24·78
	1881-1900	**34·03**	**21·97**	**18·97**	**18·51**	**19·74**	**19·15**	**19·67**	**33·94**	**26·08**	**27·12**	**28·24**	**29·38**	**28·95**	**22·23**	**24·31**
42	1896-1900	40·22	23·99	19·21	17·90	20·02	18·47	19·92	37·05	27·49	28·43	30·25	31·54	30·95	22·15	25·44
	1881-1900	**34·86**	**22·53**	**19·77**	**19·24**	**20·40**	**19·85**	**20·36**	**34·71**	**26·84**	**28·16**	**28·96**	**30·23**	**29·78**	**23·16**	**25·07**
43	1896-1900	41·40	24·62	20·08	18·54	20·61	19·07	20·58	37·95	28·34	29·40	30·92	32·20	31·76	23·08	21·83
	1881-1900	**35·97**	**23·14**	**20·50**	**19·95**	**21·09**	**20·62**	**21·06**	**35·74**	**27·69**	**29·20**	**29·78**	**31·13**	**30·71**	**24·19**	**25·89**
44	1896-1900	43·33	25·66	20·63	19·19	21·25	20·02	21·35	39·68	29·50	30·54	31·88	33·27	32·97	23·93	27·16
	1881-1900	**37·31**	**23·96**	**21·08**	**20·68**	**21·84**	**21·56**	**21·82**	**37·25**	**28·75**	**30·44**	**30·83**	**32·22**	**31·90**	**25·14**	**26·86**
45	1896-1900	44·75	26·52	21·11	19·72	21·82	20·85	22·00	41·32	30·38	31·56	32·92	34·65	34·17	25·09	28·09
	1881-1900	**38·49**	**24·67**	**21·67**	**21·23**	**22·49**	**22·38**	**22·49**	**38·72**	**29·63**	**31·66**	**31·77**	**33·31**	**33·02**	**26·38**	**27·76**

TABLE II.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE AMOUNTS OF RAINFALL FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Amounts in Inches														
46	1896–1900	45·81	27·00	21·54	20·01	22·14	21·22	22·38	42·29	30·96	32·03	33·56	35·34	34·84	25·56	28·61
	1881–1900	**39·65**	**25·35**	**22·13**	**21·81**	**23·10**	**23·09**	**23·10**	**39·88**	**30·39**	**32·63**	**32·71**	**34·31**	**33·98**	**27·05**	**28·54**
47	1896–1900	46·95	27·65	22·16	20·51	22·62	21·89	22·97	43·06	31·42	32·91	34·39	36·32	35·62	26·15	29·30
	1881–1900	**40·82**	**25·96**	**22·55**	**22·29**	**23·56**	**23·71**	**23·61**	**41·11**	**31·13**	**33·51**	**33·61**	**35·22**	**34·92**	**27·97**	**29·27**
48	1896–1900	48·34	28·20	22·69	20·81	22·96	22·32	23·40	43·98	32·34	33·54	35·09	37·20	36·43	26·88	29·92
	1881–1900	**42·12**	**26·49**	**23·09**	**22·84**	**24·08**	**24·28**	**24·16**	**42·20**	**31·97**	**34·43**	**34·37**	**36·10**	**35·81**	**28·79**	**29·99**
49	1896–1900	50·42	29·59	23·56	21·61	23·85	23·42	24·41	45·88	33·50	35·49	36·31	38·38	37·91	28·58	31·16
	1881–1900	**43·68**	**27·42**	**23·78**	**23·45**	**24·73**	**25·07**	**24·89**	**43·73**	**32·98**	**35·73**	**35·39**	**37·20**	**36·81**	**30·01**	**30·85**
50	1896–1900	52·31	30·35	23·92	21·97	24·35	23·91	24·90	47·22	34·26	36·55	37·17	39·59	38·96	29·51	31·93
	1881–1900	**45·19**	**27·99**	**24·22**	**23·92**	**25·31**	**25·65**	**25·42**	**45·07**	**32·84**	**36·87**	**36·30**	**38·28**	**37·87**	**30·94**	**31·65**
51	1896–1900	53·48	30·81	24·29	22·19	24·66	24·28	25·25	48·10	34·52	37·21	37·83	40·78	39·69	30·08	32·47
	1881–1900	**46·16**	**28·46**	**24·61**	**24·24**	**25·71**	**26·09**	**25·82**	**46·04**	**34·39**	**37·71**	**37·09**	**39·30**	**38·91**	**31·61**	**32·37**
52	1896–1900	55·49	31·79	24·90	22·77	25·54	25·19	26·04	50·22	35·75	39·03	39·27	42·64	41·38	31·42	33·71
	1881–1900	**47·30**	**29·04**	**25·00**	**24·66**	**26·28**	**26·70**	**26·34**	**47·32**	**35·14**	**38·83**	**37·94**	**40·47**	**39·94**	**32·47**	**33·14**

TABLE III.—SHOWING FOR EACH DISTRICT DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees above 42° Fahrenheit.														
1	1896-1900	5	3	9	11	12	21	11	10	13	25	15	29	18	41	15
	1881-1900	**5**	**4**	**5**	**7**	**8**	**11**	**7**	**7**	**8**	**13**	**11**	**17**	**11**	**22**	**9**
2	1896-1900	12	9	15	18	19	32	19	19	23	41	28	48	32	68	25
	1881-1900	**11**	**10**	**10**	**12**	**14**	**19**	**13**	**14**	**14**	**26**	**21**	**33**	**22**	**42**	**18**
3	1896-1900	18	16	31	34	40	53	35	36	41	68	47	80	54	106	45
	1881-1900	**18**	**19**	**19**	**20**	**25**	**31**	**23**	**27**	**25**	**43**	**37**	**57**	**38**	**68**	**31**
4	1896-1900	26	28	43	43	50	64	46	49	52	83	60	100	69	132	58
	1881-1900	**25**	**27**	**28**	**29**	**36**	**42**	**32**	**38**	**35**	**60**	**50**	**78**	**52**	**91**	**42**
5	1896-1900	32	33	51	49	57	72	52	57	61	95	70	117	80	156	66
	1881-1900	**32**	**35**	**37**	**39**	**48**	**57**	**43**	**48**	**46**	**78**	**63**	**99**	**67**	**116**	**55**
6	1896-1900	39	42	62	60	71	90	65	68	76	116	88	143	98	188	82
	1881-1900	**38**	**44**	**47**	**49**	**60**	**70**	**54**	**58**	**57**	**95**	**77**	**121**	**82**	**140**	**68**
7	1896-1900	52	59	81	81	93	113	85	86	96	141	108	169	120	224	103
	1881-1900	**45**	**53**	**57**	**61**	**72**	**85**	**66**	**70**	**69**	**113**	**93**	**143**	**98**	**164**	**82**
8	1896-1900	64	71	93	100	112	136	102	97	111	166	126	194	139	259	121
	1881-1900	**54**	**64**	**67**	**73**	**87**	**101**	**78**	**79**	**80**	**131**	**108**	**164**	**112**	**189**	**95**
9	1896-1900	70	76	100	110	123	152	112	105	119	181	139	213	151	286	132
	1881-1900	**59**	**72**	**76**	**85**	**100**	**116**	**90**	**87**	**90**	**147**	**122**	**184**	**126**	**210**	**108**
10	1896-1900	77	86	111	124	136	167	125	115	131	197	154	236	167	311	146
	1881-1900	**65**	**83**	**87**	**100**	**114**	**132**	**103**	**97**	**100**	**162**	**138**	**204**	**140**	**231**	**122**
11	1896-1900	91	108	138	156	170	201	155	138	156	233	181	272	196	356	176
	1881-1900	**75**	**99**	**108**	**126**	**140**	**157**	**126**	**113**	**118**	**187**	**159**	**232**	**162**	**262**	**144**
12	1896-1900	100	122	157	179	192	224	175	154	175	255	202	298	217	389	196
	1881-1900	**92**	**118**	**128**	**152**	**167**	**182**	**149**	**130**	**138**	**212**	**182**	**260**	**184**	**290**	**167**
13	1896-1900	111	138	175	205	219	255	198	170	195	284	226	329	241	428	220
	1881-1900	**102**	**139**	**150**	**183**	**200**	**216**	**178**	**151**	**162**	**244**	**208**	**294**	**212**	**328**	**195**
14	1896-1900	133	166	202	236	252	291	229	196	220	320	256	371	273	472	251
	1881-1900	**125**	**167**	**175**	**216**	**238**	**256**	**210**	**180**	**193**	**281**	**241**	**334**	**246**	**370**	**228**
15	1896-1900	157	199	238	280	294	334	269	227	256	359	291	413	309	525	289
	1881-1900	**146**	**194**	**202**	**254**	**276**	**297**	**245**	**211**	**224**	**320**	**276**	**376**	**281**	**413**	**263**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896-1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881-1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees above 42° Fahrenheit.														
16	1896-1900	185	235	271	321	337	377	308	263	295	403	332	461	351	580	330
	1881-1900	**173**	**227**	**232**	**295**	**320**	**341**	**283**	**246**	**262**	**362**	**316**	**421**	**321**	**461**	**302**
17	1896-1900	221	277	310	372	391	431	356	307	340	456	377	515	399	644	378
	1881-1900	**203**	**265**	**268**	**342**	**369**	**391**	**327**	**285**	**303**	**409**	**358**	**470**	**365**	**517**	**346**
18	1896-1900	251	316	352	424	440	485	403	346	384	503	418	565	443	708	423
	1881-1900	**235**	**306**	**308**	**394**	**423**	**447**	**376**	**328**	**348**	**459**	**403**	**522**	**412**	**576**	**394**
19	1896-1900	291	359	388	474	492	544	451	395	430	559	470	624	496	779	474
	1881-1900	**277**	**356**	**354**	**454**	**486**	**514**	**433**	**381**	**404**	**522**	**460**	**586**	**471**	**647**	**452**
20	1896-1900	340	413	436	535	556	618	512	457	492	633	533	695	562	858	537
	1881-1900	**319**	**406**	**406**	**520**	**553**	**590**	**495**	**439**	**465**	**591**	**519**	**654**	**534**	**723**	**515**
21	1896-1900	381	461	486	601	623	695	573	515	556	708	593	767	628	945	601
	1881-1900	**369**	**468**	**467**	**598**	**630**	**675**	**568**	**507**	**537**	**669**	**587**	**729**	**606**	**808**	**587**
22	1896-1900	442	533	557	681	705	785	652	592	636	796	673	855	710	1042	681
	1881-1900	**425**	**536**	**540**	**684**	**716**	**769**	**649**	**580**	**617**	**755**	**664**	**814**	**686**	**904**	**668**
23	1896-1900	507	608	644	786	818	906	752	689	743	912	775	968	817	1162	785
	1881-1900	**486**	**610**	**620**	**780**	**815**	**875**	**740**	**663**	**709**	**856**	**752**	**913**	**779**	**1007**	**760**
24	1896-1900	594	701	739	895	928	1020	857	793	854	1023	877	1081	926	1279	892
	1881-1900	**556**	**696**	**709**	**878**	**916**	**983**	**836**	**754**	**807**	**959**	**845**	**1015**	**876**	**1116**	**856**
25	1896-1900	681	801	854	1022	1050	1150	975	895	971	1145	975	1189	1035	1404	1005
	1881-1900	**631**	**787**	**807**	**989**	**1025**	**1100**	**942**	**851**	**913**	**1070**	**949**	**1123**	**981**	**1232**	**962**
26	1896-1900	767	896	959	1143	1168	1277	1089	997	1083	1263	1076	1305	1145	1530	1117
	1881-1900	**716**	**889**	**918**	**1115**	**1149**	**1230**	**1060**	**957**	**1028**	**1189**	**1052**	**1241**	**1093**	**1358**	**1077**
27	1896-1900	846	989	1067	1261	1280	1404	1200	1094	1189	1380	1175	1419	1251	1657	1226
	1881-1900	**801**	**992**	**1033**	**1242**	**1273**	**1362**	**1180**	**1063**	**1144**	**1308**	**1159**	**1356**	**1206**	**1486**	**1193**
28	1896-1900	947	1101	1191	1400	1421	1551	1333	1208	1319	1520	1289	1546	1376	1806	1355
	1881-1900	**888**	**1095**	**1149**	**1371**	**1397**	**1496**	**1302**	**1167**	**1259**	**1429**	**1264**	**1470**	**1318**	**1620**	**1310**
29	1896-1900	1050	1218	1318	1549	1567	1712	1473	1328	1456	1667	1415	1684	1510	1964	1492
	1881-1900	**973**	**1197**	**1262**	**1500**	**1520**	**1632**	**1422**	**1270**	**1375**	**1553**	**1371**	**1588**	**1431**	**1753**	**1427**
30	1896-1900	1147	1331	1451	1699	1709	1869	1612	1443	1587	1811	1532	1817	1638	2120	1625
	1881-1900	**1061**	**1299**	**1377**	**1628**	**1644**	**1768**	**1543**	**1376**	**1492**	**1678**	**1478**	**1708**	**1546**	**1889**	**1545**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees above 42° Fahrenheit.														
31	1896-1900	1252	1447	1583	1842	1852	2022	1749	1564	1724	1953	1655	1952	1770	2276	1760
	1881-1900	**1152**	**1406**	**1495**	**1757**	**1771**	**1906**	**1667**	**1486**	**1613**	**1804**	**1591**	**1831**	**1665**	**2028**	**1666**
32	1896-1900	1346	1545	1692	1962	1968	2154	1864	1668	1840	2081	1759	2073	1884	2422	1874
	1881-1900	**1240**	**1509**	**1608**	**1883**	**1892**	**2041**	**1787**	**1591**	**1730**	**1927**	**1700**	**1950**	**1780**	**2166**	**1784**
33	1896-1900	1447	1653	1814	2107	2108	2312	1999	1785	1969	2225	1878	2202	2012	2577	2006
	1881-1900	**1330**	**1611**	**1723**	**2013**	**2016**	**2179**	**1908**	**1696**	**1846**	**2051**	**1808**	**2066**	**1893**	**2306**	**1901**
34	1896-1900	1549	1759	1932	2239	2236	2453	2124	1898	2096	2354	1994	2326	2134	2735	2129
	1881-1900	**1419**	**1712**	**1835**	**2137**	**2134**	**2311**	**2026**	**1799**	**1963**	**2172**	**1913**	**2180**	**2005**	**2443**	**2016**
35	1896-1900	1629	1846	2035	2355	2343	2578	2231	1992	2201	2467	2091	2436	2237	2861	2234
	1881-1900	**1492**	**1796**	**1935**	**2249**	**2239**	**2433**	**2130**	**1888**	**2064**	**2282**	**2006**	**2284**	**2105**	**2573**	**2118**
36	1896-1900	1720	1943	2144	2480	2459	2712	2348	2090	2311	2586	2192	2545	2345	3004	2347
	1881-1900	**1569**	**1883**	**2033**	**2359**	**2342**	**2552**	**2234**	**1977**	**2165**	**2391**	**2101**	**2385**	**2204**	**2700**	**2219**
37	1896-1900	1804	2033	2248	2593	2565	2836	2455	2187	2419	2704	2296	2657	2453	3142	2454
	1881-1900	**1645**	**1969**	**2129**	**2466**	**2444**	**2668**	**2335**	**2066**	**2266**	**2498**	**2195**	**2486**	**2302**	**2826**	**2319**
38	1896-1900	1865	2098	2333	2695	2655	2946	2545	2262	2509	2807	2378	2754	2542	3267	2544
	1881-1900	**1706**	**2038**	**2212**	**2564**	**2533**	**2774**	**2424**	**2142**	**2355**	**2597**	**2275**	**2576**	**2389**	**2946**	**2407**
39	1896-1900	1912	2148	2401	2775	2726	3038	2618	2321	2582	2892	2443	2835	2615	3379	2617
	1881-1900	**1758**	**2096**	**2282**	**2643**	**2606**	**2864**	**2498**	**2206**	**2430**	**2682**	**2344**	**2655**	**2463**	**3053**	**2481**
40	1896-1900	1965	2202	2464	2841	2787	3117	2682	2384	2651	2968	2508	2909	2684	3483	2683
	1881-1900	**1805**	**2148**	**2341**	**2709**	**2665**	**2940**	**2561**	**2263**	**2493**	**2753**	**2403**	**2722**	**2527**	**3148**	**2544**
41	1896-1900	2001	2242	2517	2904	2843	3191	2739	2426	2706	3036	2554	2968	2738	3576	2739
	1881-1900	**1842**	**2191**	**2391**	**2768**	**2719**	**3006**	**2615**	**2310**	**2548**	**2816**	**2449**	**2778**	**2580**	**3232**	**2598**
42	1896-1900	2042	2283	2569	2963	2894	3257	2793	2475	2761	3100	2606	3027	2794	3665	2794
	1881-1900	**1877**	**2229**	**2434**	**2818**	**2765**	**3064**	**2662**	**2354**	**2595**	**2873**	**2496**	**2833**	**2630**	**3310**	**2646**
43	1896-1900	2076	2316	2612	3013	2941	3323	2841	2516	2810	3097	2651	3082	2845	3750	2843
	1881-1900	**1904**	**2258**	**2470**	**2860**	**2803**	**3115**	**2701**	**2388**	**2635**	**2925**	**2535**	**2880**	**2673**	**3380**	**2687**
44	1896-1900	2102	2345	2649	3058	2981	3379	2882	2551	2853	3219	2687	3131	2888	3825	2885
	1881-1900	**1928**	**2285**	**2503**	**2900**	**2841**	**3164**	**2739**	**2421**	**2673**	**2973**	**2571**	**2924**	**2712**	**3447**	**2726**
45	1896-1900	2132	2375	2682	3097	3016	3429	2920	2587	2895	3272	2724	3179	2931	3900	2926
	1881-1900	**1952**	**2310**	**2531**	**2933**	**2872**	**3206**	**2770**	**2451**	**2707**	**3017**	**2602**	**2966**	**2749**	**3511**	**2760**

TABLE III.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT ABOVE 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees above 42° Fahrenheit.														
46	1896–1900	2156	2401	2713	3130	3044	3469	2951	2615	2927	3311	2756	3218	2965	3962	2158
	1881–1900	**1971**	**2327**	**2555**	**2959**	**2897**	**3241**	**2796**	**2474**	**2733**	**3054**	**2628**	**3001**	**2778**	**3565**	**2787**
47	1896–1900	2173	2416	2731	3147	3057	3494	2969	2636	2949	3337	2778	3246	2989	4007	2979
	1881–1900	**1985**	**2341**	**2573**	**2979**	**2916**	**3269**	**2816**	**2493**	**2755**	**3085**	**2649**	**3031**	**2803**	**3614**	**2810**
48	1896–1900	2189	2430	2752	3165	3075	3514	2987	2656	2971	3360	2802	3276	3013	4045	3000
	1881–1900	**1997**	**2353**	**2588**	**2995**	**2932**	**3289**	**2831**	**2511**	**2773**	**3111**	**2669**	**3058**	**2824**	**3653**	**2828**
49	1896–1900	2200	2440	2771	3185	3094	3544	3007	2678	2997	3395	2824	3313	3041	4097	3024
	1881–1900	**2004**	**2359**	**2598**	**3007**	**2944**	**3308**	**2843**	**2525**	**2788**	**3134**	**2682**	**3082**	**2842**	**3689**	**2843**
50	1896–1900	2216	2458	2794	3208	3118	3573	3030	2701	3025	3427	2848	3348	3070	4145	3050
	1881–1900	**2012**	**2368**	**2608**	**3019**	**2957**	**3327**	**2856**	**2538**	**2803**	**3158**	**2698**	**3107**	**2861**	**3725**	**2859**
51	1896–1900	2226	2465	2802	3214	3125	3582	3038	2712	3035	3441	2861	3370	3084	4174	3061
	1881–1900	**2019**	**2371**	**2615**	**3027**	**2966**	**3339**	**2864**	**2549**	**2813**	**3174**	**2710**	**3127**	**2875**	**3752**	**2870**
52	1896–1900	2237	2475	2815	3225	3139	3601	3051	2727	3052	3465	2876	3393	3103	4213	3077
	1881–1900	**2027**	**2381**	**2622**	**3033**	**2974**	**3351**	**2872**	**2560**	**2824**	**3190**	**2722**	**3147**	**2889**	**3780**	**2881**

TABLE IV.—SHOWING FOR EACH DISTRICT DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees below 42° Fahrenheit.														
1	1896-1900	25	32	22	23	24	10	22	17	15	9	19	14	15	0	19
	1881-1900	**39**	**48**	**43**	**50**	**50**	**37**	**46**	**35**	**35**	**28**	**31**	**23**	**30**	**13**	**38**
2	1896-1900	55	66	47	51	54	29	49	40	34	23	40	29	33	5	41
	1881-1900	**79**	**94**	**84**	**99**	**100**	**77**	**91**	**70**	**70**	**56**	**60**	**48**	**61**	**26**	**76**
3	1896-1900	90	102	73	82	82	52	78	61	52	39	60	43	51	11	65
	1881-1900	**113**	**132**	**118**	**139**	**137**	**108**	**127**	**95**	**96**	**78**	**84**	**67**	**84**	**35**	**106**
4	1896-1900	127	145	108	119	118	77	113	91	79	57	85	62	75	17	94
	1881-1900	**146**	**172**	**153**	**177**	**174**	**135**	**162**	**122**	**123**	**97**	**109**	**85**	**107**	**42**	**135**
5	1896-1900	171	195	143	156	158	106	152	125	108	78	111	81	101	25	127
	1881-1900	**180**	**211**	**184**	**211**	**207**	**160**	**195**	**148**	**147**	**116**	**132**	**102**	**129**	**49**	**162**
6	1896-1900	213	239	179	192	196	131	187	154	133	96	133	97	123	32	155
	1881-1900	**219**	**253**	**220**	**250**	**246**	**189**	**232**	**177**	**176**	**138**	**157**	**120**	**154**	**59**	**193**
7	1896-1900	239	267	203	217	220	145	210	171	150	108	149	112	138	35	174
	1881-1900	**258**	**297**	**255**	**290**	**285**	**218**	**269**	**208**	**205**	**161**	**182**	**138**	**179**	**69**	**224**
8	1896-1900	270	304	230	243	249	162	238	196	173	121	171	131	158	38	198
	1881-1900	**290**	**336**	**288**	**327**	**323**	**248**	**304**	**236**	**234**	**184**	**206**	**157**	**203**	**78**	**254**
9	1896-1900	302	341	261	278	286	191	271	224	199	147	193	149	182	45	227
	1881-1900	**327**	**377**	**323**	**366**	**360**	**279**	**341**	**268**	**264**	**209**	**231**	**175**	**229**	**88**	**285**
10	1896-1900	331	374	290	311	318	215	302	248	223	168	217	167	205	52	254
	1881-1900	**367**	**415**	**358**	**402**	**396**	**308**	**376**	**297**	**293**	**234**	**258**	**198**	**256**	**99**	**316**
11	1896-1900	354	400	309	330	337	223	320	265	235	174	229	173	215	52	268
	1881-1900	**397**	**449**	**386**	**433**	**427**	**331**	**405**	**322**	**316**	**253**	**279**	**214**	**277**	**107**	**341**
12	1896-1900	392	440	341	363	372	251	353	293	261	198	253	194	240	62	297
	1881-1900	**429**	**482**	**414**	**463**	**458**	**355**	**434**	**345**	**339**	**272**	**299**	**231**	**297**	**114**	**366**
13	1896-1900	423	475	367	388	397	267	379	317	280	214	275	213	260	67	320
	1881-1900	**456**	**509**	**437**	**488**	**484**	**372**	**458**	**367**	**358**	**287**	**319**	**246**	**315**	**117**	**387**
14	1896-1900	443	497	384	410	420	277	398	332	293	223	284	216	270	68	334
	1881-1900	**478**	**534**	**455**	**509**	**507**	**383**	**478**	**386**	**373**	**296**	**333**	**256**	**329**	**119**	**404**
15	1896-1900	457	511	393	417	428	280	406	340	298	224	292	219	275	68	341
	1881-1900	**499**	**553**	**470**	**524**	**522**	**393**	**492**	**399**	**384**	**303**	**343**	**263**	**338**	**120**	**415**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees below 42° Fahrenheit.														
16	1896-1900	473	528	495	430	441	286	418	352	303	229	298	222	281	68	350
	1881-1900	**516**	**569**	**481**	**535**	**534**	**399**	**504**	**408**	**392**	**309**	**349**	**267**	**345**	**120**	**425**
17	1896-1900	480	537	499	437	448	287	424	354	305	230	300	222	282	68	353
	1881-1900	**528**	**582**	**489**	**544**	**544**	**403**	**512**	**415**	**397**	**312**	**354**	**270**	**350**	**120**	**431**
18	1896-1900	495	550	413	442	453	288	429	360	307	230	304	223	285	68	357
	1881-1900	**539**	**591**	**495**	**551**	**550**	**406**	**519**	**420**	**400**	**314**	**358**	**272**	**353**	**120**	**436**
19	1896-1900	503	559	417	446	458	289	434	363	308	230	305	223	286	68	360
	1881-1900	**546**	**597**	**497**	**554**	**555**	**407**	**522**	**423**	**401**	**314**	**360**	**273**	**354**	**120**	**438**
20	1896-1900	510	567	420	448	464	290	438	367	310	232	306	223	288	68	363
	1881-1900	**552**	**603**	**500**	**557**	**559**	**408**	**525**	**426**	**403**	**316**	**362**	**274**	**356**	**120**	**441**
21	1896-1900	514	572	421	448	464	290	439	368	310	232	306	223	288	68	364
	1881-1900	**555**	**606**	**501**	**557**	**561**	**408**	**527**	**427**	**403**	**316**	**363**	**274**	**357**	**120**	**442**
22	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**557**	**607**	**502**	**558**	**561**	**408**	**527**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**442**
23	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**607**	**502**	**558**	**561**	**408**	**527**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**442**
24	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
25	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
26	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
27	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
28	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
29	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
30	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	
		Day Degrees below 42° Fahrenheit.													
31	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
32	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
33	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
34	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
35	1896-1900	514	572	421	448	465	290	439	368	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
36	1896-1900	516	574	421	448	465	290	440	369	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
37	1896-1900	516	574	421	448	465	290	440	369	310	232	306	223	288	68	364
	1881-1900	**558**	**608**	**502**	**558**	**562**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
38	1896-1900	516	574	421	448	465	290	440	369	310	232	306	223	288	68	364
	1881-1900	**559**	**609**	**502**	**558**	**563**	**408**	**528**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
39	1896-1900	517	576	421	448	467	290	440	369	310	232	307	223	288	68	364
	1881-1900	**561**	**610**	**502**	**559**	**564**	**408**	**529**	**428**	**403**	**316**	**363**	**274**	**357**	**120**	**443**
40	1896-1900	519	579	421	449	470	290	442	369	310	232	307	224	288	68	365
	1881-1900	**564**	**613**	**504**	**561**	**568**	**409**	**531**	**430**	**404**	**317**	**364**	**275**	**358**	**120**	**445**
41	1896-1900	524	584	422	451	474	292	445	371	310	232	308	224	289	68	367
	1881-1900	**569**	**620**	**507**	**565**	**575**	**413**	**536**	**434**	**406**	**319**	**366**	**277**	**360**	**120**	**448**
42	1896-1900	533	594	425	454	481	292	449	376	312	233	312	226	292	68	371
	1881-1900	**576**	**627**	**510**	**570**	**582**	**416**	**541**	**438**	**407**	**320**	**370**	**280**	**363**	**120**	**452**
43	1896-1900	542	606	431	462	490	295	457	383	316	237	316	232	297	68	377
	1881-1900	**591**	**645**	**517**	**578**	**592**	**421**	**551**	**449**	**413**	**324**	**378**	**287**	**370**	**120**	**461**
44	1896-1900	553	619	437	471	498	298	465	390	322	243	322	238	303	68	384
	1881-1900	**602**	**658**	**525**	**586**	**601**	**425**	**559**	**456**	**418**	**328**	**383**	**291**	**375**	**120**	**467**
45	1896-1900	563	633	444	478	507	304	473	398	329	250	330	246	311	68	392
	1881-1900	**614**	**674**	**534**	**597**	**614**	**431**	**570**	**465**	**425**	**333**	**393**	**299**	**383**	**120**	**477**

TABLE IV.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE VALUES FOR ACCUMULATED HEAT BELOW 42° F. FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Day Degrees below 42° Fahrenheit.														
46	1896–1900	575	648	452	491	521	309	484	402	333	254	334	250	315	68	400
	1881–1900	**629**	**696**	**548**	**613**	**632**	**441**	**586**	**477**	**434**	**389**	**405**	**307**	**402**	**121**	**494**
47	1896–1900	592	670	468	512	545	317	502	416	346	265	348	263	328	68	415
	1881–1900	**649**	**720**	**563**	**631**	**652**	**451**	**603**	**492**	**446**	**347**	**419**	**319**	**405**	**122**	**504**
48	1896–1900	611	692	479	528	561	330	518	429	355	277	358	270	338	69	428
	1881–1900	**665**	**748**	**582**	**654**	**677**	**468**	**626**	**507**	**458**	**358**	**433**	**331**	**417**	**124**	**522**
49	1896–1900	636	721	493	546	581	339	536	439	364	282	371	274	346	70	441
	1881–1900	**705**	**785**	**609**	**686**	**708**	**491**	**656**	**529**	**479**	**374**	**457**	**346**	**437**	**128**	**547**
50	1896–1900	656	752	519	574	611	355	562	456	383	293	384	285	360	74	461
	1881–1900	**733**	**822**	**640**	**719**	**744**	**518**	**689**	**553**	**504**	**388**	**479**	**363**	**457**	**131**	**573**
51	1896–1900	691	796	552	612	650	383	599	481	408	312	405	296	380	79	490
	1881–1900	**764**	**862**	**675**	**759**	**784**	**542**	**724**	**577**	**532**	**406**	**502**	**380**	**479**	**137**	**602**
52	1896–1900	720	830	579	643	681	400	627	504	427	326	428	313	400	81	514
	1881–1900	**795**	**902**	**711**	**801**	**826**	**573**	**763**	**604**	**561**	**428**	**526**	**399**	**504**	**143**	**634**

TABLE V.—SHOWING FOR EACH DISTRICT DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
1	1896-1900	5	4	5	8	6	9	6	4	5	9	6	6	6	10	6
	1881-1900	**5**	**8**	**7**	**10**	**9**	**11**	**9**	**7**	**8**	**12**	**10**	**12**	**10**	**15**	**10**
2	1896-1900	12	11	12	17	13	17	14	13	12	19	16	19	16	22	15
	1881-1900	**12**	**15**	**13**	**19**	**17**	**20**	**17**	**16**	**15**	**24**	**19**	**24**	**20**	**29**	**19**
3	1896-1900	18	19	22	24	21	25	22	23	21	29	27	32	26	33	24
	1881-1900	**17**	**26**	**22**	**27**	**26**	**29**	**26**	**24**	**23**	**35**	**28**	**35**	**29**	**43**	**28**
4	1896-1900	26	32	34	41	35	42	37	34	31	45	43	49	40	46	39
	1881-1900	**23**	**39**	**33**	**44**	**39**	**42**	**39**	**34**	**33**	**48**	**40**	**49**	**41**	**59**	**40**
5	1896-1900	35	45	46	52	44	52	48	43	40	60	54	62	52	62	50
	1881-1900	**32**	**52**	**45**	**58**	**51**	**55**	**52**	**45**	**43**	**64**	**52**	**63**	**53**	**76**	**53**
6	1896 1900	46	62	59	67	56	65	62	55	50	75	68	76	65	81	64
	1881-1900	**43**	**70**	**60**	**76**	**67**	**69**	**68**	**59**	**57**	**81**	**67**	**79**	**69**	**96**	**69**
7	1896-1900	54	77	73	85	73	84	78	70	66	95	84	95	82	106	80
	1881-1900	**58**	**87**	**76**	**94**	**84**	**87**	**86**	**74**	**74**	**99**	**85**	**98**	**86**	**120**	**86**
8	1896-1900	73	98	93	113	96	109	102	85	89	115	104	117	102	127	102
	1881-1900	**75**	**107**	**93**	**115**	**102**	**108**	**105**	**88**	**92**	**122**	**102**	**118**	**104**	**145**	**105**
9	1896-1900	89	116	114	141	118	137	125	105	112	142	127	144	126	158	126
	1881-1900	**93**	**126**	**113**	**137**	**122**	**129**	**125**	**107**	**112**	**146**	**120**	**139**	**125**	**173**	**125**
10	1896-1900	106	137	135	168	140	163	149	120	132	167	144	163	145	182	147
	1881-1900	**113**	**148**	**135**	**161**	**143**	**153**	**148**	**128**	**132**	**172**	**141**	**165**	**148**	**199**	**148**
11	1896-1900	126	160	160	193	163	185	172	144	155	193	164	184	168	211	170
	1881-1900	**134**	**174**	**162**	**190**	**169**	**180**	**175**	**153**	**157**	**202**	**163**	**190**	**173**	**238**	**174**
12	1896-1900	148	185	183	219	188	211	197	175	186	224	196	216	199	240	198
	1881-1900	**156**	**203**	**190**	**219**	**197**	**210**	**204**	**180**	**183**	**237**	**189**	**221**	**202**	**274**	**203**
13	1896-1900	176	212	209	249	215	242	225	202	215	256	221	245	228	278	227
	1881-1900	**186**	**230**	**217**	**253**	**226**	**244**	**234**	**211**	**213**	**273**	**218**	**255**	**234**	**315**	**234**
14	1896-1900	204	244	239	280	246	274	257	232	247	289	246	271	257	316	257
	1881-1900	**218**	**263**	**250**	**292**	**262**	**283**	**270**	**247**	**249**	**315**	**251**	**293**	**271**	**361**	**271**
15	1896-1900	231	275	268	312	275	304	287	261	276	321	274	301	287	353	287
	1881-1900	**250**	**295**	**280**	**326**	**293**	**315**	**302**	**281**	**280**	**354**	**282**	**330**	**305**	**404**	**304**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896-1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881-1900, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued*.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
16	1896-1900	271	312	306	356	317	349	328	304	321	368	313	342	330	404	329
	1881-1900	**285**	**327**	**310**	**362**	**326**	**352**	**335**	**317**	**316**	**394**	**316**	**366**	**342**	**448**	**339**
17	1896-1900	295	339	332	392	347	388	360	334	355	409	341	375	363	449	362
	1881-1900	**317**	**363**	**340**	**398**	**360**	**389**	**370**	**352**	**349**	**436**	**349**	**403**	**378**	**493**	**374**
18	1896-1900	333	379	369	441	388	434	402	376	396	455	380	416	405	499	404
	1881-1900	**354**	**400**	**378**	**443**	**401**	**435**	**411**	**392**	**390**	**481**	**386**	**444**	**419**	**548**	**415**
19	1896-1900	373	414	404	482	427	481	442	417	439	502	417	456	446	556	444
	1881-1900	**393**	**443**	**420**	**492**	**446**	**484**	**457**	**437**	**435**	**534**	**428**	**489**	**465**	**611**	**461**
20	1896-1900	427	466	449	536	478	534	493	477	497	563	478	519	507	616	500
	1881-1900	**435**	**486**	**460**	**536**	**487**	**530**	**500**	**481**	**479**	**583**	**471**	**535**	**510**	**666**	**505**
21	1896-1900	461	498	482	572	512	572	527	520	543	610	514	559	549	665	538
	1881-1900	**473**	**528**	**500**	**582**	**527**	**574**	**542**	**528**	**523**	**630**	**514**	**581**	**555**	**719**	**549**
22	1896-1900	507	543	520	622	558	626	574	573	596	676	570	619	607	733	591
	1881-1900	**512**	**573**	**540**	**635**	**573**	**627**	**590**	**574**	**571**	**684**	**561**	**628**	**604**	**779**	**597**
23	1896-1900	540	579	559	674	610	684	621	621	651	734	612	667	657	795	639
	1881-1900	**553**	**614**	**578**	**683**	**616**	**675**	**633**	**619**	**618**	**735**	**600**	**673**	**649**	**833**	**641**
24	1896-1900	585	620	603	727	660	739	670	667	703	793	655	714	706	858	688
	1881-1900	**593**	**656**	**619**	**731**	**663**	**726**	**679**	**667**	**668**	**794**	**644**	**720**	**699**	**897**	**689**
25	1896-1900	612	653	641	773	703	786	711	703	747	840	690	752	746	910	729
	1881-1900	**629**	**696**	**656**	**723**	**703**	**769**	**709**	**711**	**710**	**843**	**686**	**765**	**743**	**950**	**726**
26	1896-1900	638	686	673	814	737	831	748	737	780	890	713	779	780	964	764
	1881-1900	**662**	**741**	**695**	**824**	**747**	**822**	**766**	**751**	**752**	**894**	**717**	**801**	**783**	**1009**	**775**
27	1896-1900	665	730	717	859	783	881	794	780	823	950	747	821	824	1029	809
	1881-1900	**692**	**777**	**738**	**875**	**794**	**873**	**811**	**792**	**795**	**946**	**749**	**839**	**824**	**1069**	**818**
28	1896-1900	706	776	768	925	842	947	852	824	878	1010	788	867	873	1095	863
	1881-1900	**723**	**815**	**778**	**922**	**837**	**922**	**855**	**832**	**838**	**995**	**783**	**877**	**865**	**1126**	**860**
29	1896-1900	737	811	806	983	890	1009	900	857	922	1060	812	894	909	1157	905
	1881-1900	**751**	**851**	**813**	**967**	**875**	**966**	**894**	**869**	**875**	**1037**	**812**	**908**	**900**	**1175**	**897**
30	1896-1900	760	846	848	1034	940	1063	946	894	969	1110	841	928	948	1217	947
	1881-1900	**780**	**886**	**849**	**1010**	**914**	**1011**	**934**	**906**	**912**	**1082**	**843**	**944**	**937**	**1225**	**936**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
31	1896-1900	793	883	893	1094	992	1123	997	935	1014	1166	875	969	992	1281	995
	1881-1900	**806**	**922**	**884**	**1053**	**955**	**1057**	**974**	**945**	**951**	**1128**	**873**	**977**	**975**	**1285**	**975**
32	1896-1900	828	920	921	1133	1027	1165	1033	972	1050	1219	913	1012	1033	1340	1033
	1881-1900	**831**	**955**	**917**	**1094**	**992**	**1100**	**1012**	**979**	**985**	**1173**	**903**	**1014**	**1011**	**1344**	**1012**
33	1896-1900	864	958	958	1182	1070	1222	1078	1012	1092	1280	956	1061	1080	1405	1079
	1881-1900	**860**	**988**	**950**	**1137**	**1032**	**1147**	**1051**	**1014**	**1021**	**1221**	**935**	**1051**	**1048**	**1400**	**1050**
34	1896-1900	893	993	991	1228	1111	1274	1119	1046	1131	1326	986	1094	1117	1461	1118
	1881-1900	**887**	**1022**	**981**	**1178**	**1070**	**1191**	**1088**	**1049**	**1055**	**1265**	**964**	**1085**	**1084**	**1451**	**1086**
35	1896-1900	917	1020	1019	1269	1143	1317	1154	1075	1163	1367	1013	1125	1149	1508	1152
	1881-1900	**909**	**1050**	**1008**	**1215**	**1102**	**1229**	**1121**	**1075**	**1081**	**1304**	**986**	**1112**	**1112**	**1496**	**1117**
36	1896-1900	947	1049	1047	1308	1179	1364	1189	1108	1199	1415	1051	1166	1188	1559	1189
	1881-1900	**937**	**1084**	**1038**	**1251**	**1135**	**1268**	**1155**	**1110**	**1114**	**1344**	**1016**	**1148**	**1146**	**1541**	**1151**
37	1896-1900	974	1078	1077	1342	1209	1404	1222	1137	1230	1452	1077	1200	1219	1607	1221
	1881-1900	**962**	**1112**	**1068**	**1289**	**1168**	**1307**	**1189**	**1141**	**1146**	**1384**	**1043**	**1181**	**1179**	**1590**	**1184**
38	1896-1900	998	1110	1107	1380	1241	1442	1256	1166	1259	1486	1102	1231	1249	1608	1253
	1881-1900	**984**	**1139**	**1094**	**1322**	**1197**	**1341**	**1219**	**1168**	**1173**	**1417**	**1068**	**1211**	**1207**	**1634**	**1213**
39	1896-1900	1015	1128	1128	1411	1268	1477	1282	1185	1283	1519	1126	1260	1275	1683	1279
	1881-1900	**1004**	**1162**	**1119**	**1354**	**1226**	**1374**	**1247**	**1192**	**1199**	**1447**	**1092**	**1240**	**1234**	**1669**	**1241**
40	1896-1900	1039	1155	1153	1439	1293	1506	1309	1210	1306	1547	1148	1290	1300	1721	1305
	1881-1900	**1024**	**1185**	**1143**	**1380**	**1250**	**1400**	**1272**	**1214**	**1220**	**1477**	**1114**	**1267**	**1258**	**1700**	**1265**
41	1896-1900	1055	1174	1174	1471	1318	1535	1334	1229	1328	1573	1169	1317	1323	1750	1329
	1881-1900	**1041**	**1205**	**1164**	**1407**	**1274**	**1427**	**1295**	**1234**	**1241**	**1503**	**1134**	**1293**	**1281**	**1732**	**1288**
42	1896-1900	1078	1195	1198	1498	1340	1561	1358	1249	1353	1601	1196	1348	1349	1780	1354
	1881-1900	**1059**	**1224**	**1184**	**1431**	**1296**	**1452**	**1317**	**1253**	**1260**	**1528**	**1155**	**1316**	**1302**	**1762**	**1310**
43	1896-1900	1097	1211	1314	1518	1357	1585	1397	1267	1372	1621	1213	1366	1368	1802	1383
	1881-1900	**1079**	**1242**	**1200**	**1451**	**1313**	**1472**	**1336**	**1271**	**1276**	**1547**	**1175**	**1336**	**1321**	**1784**	**1329**
44	1896-1900	1109	1225	1227	1542	1376	1610	1396	1283	1388	1642	1230	1385	1386	1824	1391
	1881-1900	**1090**	**1256**	**1213**	**1469**	**1329**	**1490**	**1351**	**1286**	**1290**	**1565**	**1192**	**1355**	**1338**	**1805**	**1345**
45	1896-1900	1118	1237	1238	1561	1389	1628	1411	1293	1400	1660	1246	1404	1401	1844	1406
	1881-1900	**1100**	**1269**	**1225**	**1488**	**1342**	**1505**	**1366**	**1297**	**1301**	**1581**	**1207**	**1372**	**1352**	**1822**	**1359**

TABLE V.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN AGGREGATE NUMBERS OF HOURS OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Numbers of Hours.														
46	1896–1900	1125	1247	1249	1576	1400	1644	1423	1303	1413	1677	1257	1421	1414	1863	1419
	1881–1900	**1108**	**1280**	**1235**	**1502**	**1355**	**1519**	**1378**	**1308**	**1311**	**1595**	**1221**	**1389**	**1365**	**1841**	**1372**
47	1896–1900	1131	1254	1259	1586	1409	1654	1432	1312	1423	1691	1267	1433	1425	1878	1429
	1881–1900	**1114**	**1290**	**1246**	**1514**	**1365**	**1531**	**1389**	**1317**	**1322**	**1609**	**1233**	**1403**	**1377**	**1855**	**1383**
48	1896–1900	1136	1260	1266	1598	1420	1667	1442	1320	1431	1702	1276	1446	1435	1890	1439
	1881–1900	**1120**	**1298**	**1254**	**1523**	**1375**	**1541**	**1398**	**1326**	**1330**	**1622**	**1243**	**1415**	**1387**	**1868**	**1393**
49	1896–1900	1139	1265	1273	1608	1427	1676	1450	1324	1437	1711	1283	1455	1442	1901	1446
	1881–1900	**1126**	**1306**	**1263**	**1534**	**1384**	**1552**	**1408**	**1334**	**1337**	**1634**	**1253**	**1426**	**1397**	**1882**	**1403**
50	1896–1900	1143	1271	1278	1616	1434	1685	1457	1329	1445	1723	1292	1466	1451	1912	1454
	1881–1900	**1130**	**1314**	**1271**	**1544**	**1393**	**1562**	**1417**	**1340**	**1344**	**1645**	**1261**	**1437**	**1405**	**1895**	**1411**
51	1896–1900	1148	1277	1286	1629	1444	1700	1467	1336	1453	1735	1301	1477	1460	1926	1464
	1881–1900	**1134**	**1319**	**1279**	**1554**	**1401**	**1573**	**1425**	**1346**	**1351**	**1655**	**1269**	**1448**	**1414**	**1908**	**1420**
52	1896–1900	1152	1281	1293	1639	1452	1709	1475	1341	1460	1746	1309	1487	1469	1937	1472
	1881–1900	**1137**	**1326**	**1286**	**1562**	**1408**	**1582**	**1433**	**1351**	**1356**	**1665**	**1276**	**1458**	**1421**	**1921**	**1427**

TABLE VI.—SHOWING FOR EACH DISTRICT DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.	
		Percentages of Possible Duration.													
1	1896–1900	11	8	10	15	11	16	12	7	10	16	12	12	11	17	12
	1881–1900	**11**	**16**	**14**	**19**	**18**	**19**	**17**	**14**	**15**	**22**	**19**	**22**	**18**	**26**	**18**
2	1896–1900	13	12	11	15	12	16	13	13	12	17	16	18	15	20	14
	1881–1900	**13**	**16**	**13**	**17**	**16**	**18**	**16**	**16**	**15**	**21**	**18**	**22**	**18**	**26**	**17**
3	1896–1900	12	13	13	14	15	15	14	15	15	17	18	20	17	19	16
	1881–1900	**12**	**18**	**14**	**16**	**16**	**17**	**16**	**16**	**15**	**20**	**17**	**21**	**18**	**24**	**17**
4	1896–1900	13	16	15	18	16	18	17	16	16	19	20	22	19	19	18
	1881–1900	**12**	**19**	**15**	**19**	**18**	**18**	**18**	**16**	**16**	**21**	**19**	**22**	**19**	**25**	**19**
5	1896–1900	14	17	17	18	16	18	17	17	16	20	20	22	19	20	18
	1881–1900	**13**	**20**	**16**	**20**	**18**	**18**	**18**	**16**	**16**	**22**	**19**	**22**	**19**	**25**	**19**
6	1896–1900	15	20	17	19	17	18	18	17	16	21	20	22	19	21	19
	1881–1900	**14**	**22**	**18**	**22**	**19**	**19**	**20**	**18**	**18**	**22**	**20**	**23**	**20**	**26**	**20**
7	1896–1900	14	20	18	20	18	20	19	18	17	22	21	23	20	24	20
	1881–1900	**15**	**23**	**19**	**22**	**20**	**20**	**21**	**18**	**19**	**23**	**21**	**24**	**21**	**27**	**21**
8	1896–1900	16	22	19	23	21	22	21	19	20	23	22	24	22	25	22
	1881–1900	**17**	**24**	**19**	**23**	**21**	**21**	**22**	**19**	**20**	**24**	**22**	**24**	**22**	**29**	**22**
9	1896–1900	17	22	21	25	22	24	23	20	21	25	23	26	23	27	23
	1881–1900	**18**	**24**	**20**	**24**	**22**	**22**	**22**	**20**	**21**	**25**	**22**	**25**	**23**	**30**	**23**
10	1896–1900	18	23	21	26	23	25	24	20	22	26	23	26	23	28	24
	1881–1900	**19**	**25**	**21**	**25**	**23**	**23**	**23**	**21**	**22**	**26**	**22**	**26**	**23**	**30**	**23**
11	1896–1900	18	24	23	26	24	25	24	21	23	27	23	26	24	29	24
	1881–1900	**20**	**26**	**23**	**26**	**24**	**24**	**25**	**22**	**23**	**27**	**23**	**26**	**24**	**32**	**25**
12	1896–1900	19	24	23	27	24	26	25	23	24	28	25	27	26	29	25
	1881–1900	**21**	**27**	**24**	**27**	**25**	**25**	**26**	**23**	**24**	**29**	**24**	**27**	**25**	**33**	**26**
13	1896–1900	21	25	24	27	25	27	26	24	26	29	25	28	26	31	26
	1881–1900	**22**	**27**	**25**	**28**	**25**	**27**	**26**	**24**	**25**	**30**	**25**	**29**	**27**	**35**	**27**
14	1896–1900	22	26	25	28	26	28	27	24	27	29	26	28	27	32	27
	1881–1900	**24**	**28**	**26**	**30**	**27**	**28**	**28**	**26**	**26**	**31**	**26**	**30**	**28**	**36**	**28**
15	1896–1900	22	27	26	28	26	28	27	25	27	30	26	28	27	33	27
	1881–1900	**24**	**29**	**26**	**30**	**27**	**29**	**28**	**26**	**27**	**32**	**27**	**30**	**28**	**37**	**28**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

NUMBERS OF WEEKS.	YEARS.	0. SCOTLAND, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						CHANNEL ISLANDS.	MEANS FOR BRITISH ISLANDS GENERALLY.
			1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.	MEANS FOR WHEAT-PRODUCING DISTRICTS.	6. SCOTLAND, W.	7. ENGLAND, N.W.	8. ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR GRAZING, &c. DISTRICTS.		
		PERCENTAGES OF POSSIBLE DURATION.														
16	1896–1900	24	28	27	30	28	30	29	27	29	31	27	30	29	35	29
	1881–1900	**25**	**29**	**27**	**31**	**28**	**30**	**29**	**27**	**28**	**33**	**27**	**31**	**29**	**38**	**29**
17	1896–1900	23	28	27	30	28	31	29	27	29	32	27	30	29	36	29
	1881–1900	**26**	**29**	**27**	**31**	**28**	**30**	**29**	**28**	**28**	**34**	**28**	**32**	**30**	**38**	**30**
18	1896–1900	25	28	27	32	29	32	30	28	30	33	28	31	30	37	30
	1881–1900	**26**	**30**	**28**	**32**	**29**	**31**	**30**	**29**	**29**	**34**	**28**	**32**	**30**	**39**	**30**
19	1896–1900	26	29	27	32	30	33	30	29	31	34	29	31	31	39	31
	1881–1900	**27**	**31**	**28**	**33**	**30**	**32**	**31**	**30**	**30**	**35**	**29**	**33**	**31**	**41**	**31**
20	1896–1900	27	30	29	33	31	34	31	31	32	36	30	33	32	39	32
	1881–1900	**28**	**31**	**29**	**33**	**31**	**33**	**31**	**30**	**31**	**36**	**30**	**34**	**32**	**42**	**32**
21	1896–1900	27	30	29	33	31	34	31	31	33	36	31	33	33	40	32
	1881–1900	**28**	**31**	**29**	**34**	**31**	**33**	**32**	**31**	**31**	**37**	**30**	**34**	**33**	**42**	**33**
22	1896–1900	28	30	29	34	32	35	32	32	34	37	32	34	34	41	33
	1881–1900	**29**	**32**	**30**	**35**	**32**	**34**	**33**	**32**	**32**	**37**	**31**	**34**	**33**	**43**	**33**
23	1896–1900	28	30	29	34	33	36	32	33	35	38	32	35	35	42	34
	1881–1900	**29**	**32**	**30**	**35**	**32**	**35**	**33**	**32**	**32**	**38**	**31**	**35**	**34**	**43**	**34**
24	1896–1900	29	30	30	35	33	36	33	33	35	39	32	35	35	43	34
	1881–1900	**29**	**32**	**30**	**36**	**33**	**35**	**33**	**33**	**33**	**38**	**31**	**35**	**34**	**44**	**34**
25	1896–1900	28	30	30	35	33	37	33	33	35	39	32	35	35	43	34
	1881–1900	**29**	**32**	**30**	**35**	**33**	**35**	**33**	**33**	**33**	**39**	**32**	**35**	**34**	**44**	**34**
26	1896–1900	28	30	30	35	33	37	33	33	35	40	31	35	35	43	34
	1881–1900	**29**	**32**	**30**	**36**	**33**	**36**	**33**	**33**	**33**	**39**	**31**	**35**	**34**	**45**	**34**
27	1896–1900	27	30	30	35	34	37	33	33	35	40	31	35	35	45	34
	1881–1900	**29**	**32**	**31**	**36**	**33**	**36**	**34**	**33**	**33**	**39**	**31**	**35**	**34**	**45**	**34**
28	1896–1900	28	31	31	36	34	38	34	33	36	41	32	35	35	45	35
	1881–1900	**29**	**32**	**31**	**37**	**34**	**37**	**34**	**33**	**34**	**40**	**31**	**35**	**35**	**46**	**35**
29	1896–1900	27	31	31	37	35	39	35	33	36	41	31	34	35	46	35
	1881–1900	**28**	**32**	**31**	**37**	**33**	**37**	**34**	**33**	**34**	**40**	**31**	**34**	**34**	**46**	**34**
30	1896–1900	27	31	31	37	35	39	35	33	36	41	31	34	35	46	35
	1881–1900	**28**	**32**	**31**	**37**	**34**	**37**	**34**	**33**	**34**	**40**	**31**	**34**	**34**	**46**	**34**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Percentages of Possible Duration.														
31	1896–1900	27	31	32	38	36	40	35	33	36	42	31	34	35	47	35
	1881–1900	**28**	**32**	**31**	**37**	**34**	**37**	**34**	**33**	**34**	**40**	**31**	**34**	**34**	**46**	**34**
32	1896–1900	27	31	31	38	36	40	35	33	36	42	31	35	35	48	35
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**31**	**34**	**34**	**46**	**34**
33	1896–1900	28	31	32	38	36	41	36	33	36	42	31	35	35	48	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**34**
34	1896–1900	28	31	32	38	36	41	36	33	36	42	31	35	35	49	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**35**	**34**	**47**	**34**
35	1896–1900	28	31	32	39	36	41	36	33	36	42	31	35	35	49	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**34**
36	1896–1900	28	31	32	39	36	41	36	33	36	43	31	35	36	49	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**40**	**30**	**34**	**34**	**47**	**34**
37	1896–1900	28	31	32	39	36	41	36	33	36	43	31	35	36	49	36
	1881–1900	**28**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**34**	**41**	**30**	**34**	**34**	**47**	**35**
38	1896–1900	28	31	32	39	36	41	36	33	36	43	31	35	36	49	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**34**	**41**	**30**	**35**	**35**	**48**	**35**
39	1896–1900	28	31	31	39	36	41	36	33	36	42	31	35	35	49	36
	1881–1900	**28**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**34**	**40**	**30**	**35**	**34**	**47**	**35**
40	1896–1900	28	31	31	39	36	41	36	33	36	42	31	35	35	49	36
	1881–1900	**28**	**32**	**31**	**38**	**34**	**38**	**35**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**35**
41	1896–1900	28	31	31	39	36	41	36	33	35	42	31	35	35	49	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**33**	**40**	**30**	**35**	**34**	**47**	**34**
42	1896–1900	28	31	31	39	36	41	36	32	35	42	31	35	35	48	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**33**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
43	1896–1900	28	31	31	39	36	41	36	32	35	42	31	35	35	48	36
	1881–1900	**28**	**32**	**31**	**37**	**34**	**38**	**34**	**32**	**33**	**40**	**30**	**34**	**34**	**47**	**34**
44	1896–1900	28	31	31	38	36	41	35	32	35	42	31	35	35	48	35
	1881–1900	**27**	**32**	**31**	**37**	**34**	**38**	**34**	**32**	**33**	**40**	**30**	**34**	**34**	**46**	**34**
45	1896–1900	28	30	31	38	35	41	35	32	35	41	31	35	35	48	35
	1881–1900	**27**	**32**	**31**	**37**	**34**	**37**	**34**	**32**	**33**	**39**	**30**	**34**	**34**	**46**	**34**

TABLE VI.—SHOWING FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN PERCENTAGES OF THE POSSIBLE AMOUNT OF BRIGHT SUNSHINE FROM THE BEGINNING OF THE YEAR TO THE END OF EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c. Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c. Districts.		
		Percentages of Possible Duration.														
46	1896–1900	·27	30	31	38	35	40	35	32	35	41	31	35	35	47	35
	1881–1900	**27**	**31**	**30**	**37**	**33**	**37**	**34**	**32**	**32**	**39**	**30**	**34**	**33**	**46**	**34**
47	1896–1900	27	30	30	38	35	40	35	32	34	41	30	35	34	47	35
	1881–1900	**27**	**31**	**30**	**37**	**33**	**37**	**34**	**32**	**32**	**39**	**30**	**34**	**33**	**45**	**34**
48	1896–1900	27	30	31	37	35	40	35	31	34	41	30	35	34	46	35
	1881–1900	**27**	**31**	**30**	**36**	**33**	**37**	**33**	**32**	**32**	**39**	**30**	**34**	**33**	**45**	**33**
49	1896–1900	27	30	30	37	34	39	34	31	34	40	30	34	34	46	34
	1881–1900	**27**	**31**	**30**	**36**	**33**	**36**	**33**	**31**	**32**	**38**	**30**	**34**	**33**	**45**	**33**
50	1896–1900	26	30	30	37	34	39	34	31	34	40	30	34	34	46	34
	1881–1900	**27**	**31**	**30**	**36**	**33**	**36**	**33**	**31**	**32**	**38**	**29**	**33**	**33**	**45**	**33**
51	1896–1900	26	29	30	37	34	39	34	31	34	40	30	34	34	45	34
	1881–1900	**26**	**31**	**30**	**36**	**32**	**36**	**33**	**31**	**31**	**38**	**29**	**33**	**32**	**44**	**33**
52	1896–1900	26	29	29	36	34	39	33	30	33	39	30	34	33	45	33
	1881–1900	**26**	**31**	**29**	**35**	**32**	**36**	**33**	**31**	**31**	**38**	**29**	**33**	**32**	**44**	**33**

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TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR.

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c., Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c., Districts.		
		Mean Weekly Values.														
1	1896-1900	39·4	38·1	40·1	40·6	40·4	43·3	40·5	41·0	42·1	44·3	41·8	43·9	42·6	47·8	41·6
	1881-1900	**37·4**	**36·0**	**36·7**	**36·0**	**35·9**	**38·0**	**36·5**	**38·1**	**38·1**	**40·0**	**39·2**	**41·0**	**39·3**	**43·6**	**37·9**
2	1896-1900	39·0	37·9	39·3	39·0	38·7	40·9	39·2	40·4	40·5	42·0	41·0	42·6	41·3	45·3	40·3
	1881-1900	**37·4**	**36·2**	**36·8**	**35·7**	**35·8**	**37·6**	**36·4**	**38·5**	**38·1**	**39·7**	**39·5**	**40·9**	**39·3**	**43·2**	**37·9**
3	1896-1900	37·8	38·2	40·6	40·1	40·8	41·7	40·3	41·4	42·0	43·5	41·9	44·4	42·6	46·6	41·5
	1881-1900	**38·5**	**38·1**	**38·7**	**37·6**	**38·3**	**39·4**	**38·4**	**40·2**	**39·9**	**41·6**	**40·7**	**42·6**	**41·0**	**44·3**	**39·7**
4	1896-1900	38·5	37·4	38·6	38·3	38·1	40·1	38·5	39·7	39·8	41·4	40·4	42·4	40·7	44·9	39·6
	1881-1900	**38·5**	**37·8**	**38·5**	**38·3**	**38·5**	**39·9**	**38·6**	**39·8**	**39·7**	**41·6**	**40·6**	**42·4**	**40·8**	**44·4**	**39·7**
5	1896-1900	36·6	36·1	38·2	37·6	37·4	39·3	37·7	38·1	39·0	40·5	39·4	41·3	39·7	44·5	38·7
	1881-1900	**38·0**	**37·9**	**39·1**	**38·9**	**39·3**	**40·6**	**39·2**	**39·8**	**40·1**	**41·7**	**40·6**	**42·3**	**40·9**	**44·5**	**40·1**
6	1896-1900	37·1	37·1	38·7	39·0	38·9	40·8	38·9	39·5	40·2	42·5	41·3	43·4	41·4	45·6	40·2
	1881-1900	**37·7**	**37·5**	**38·3**	**38·2**	**38·5**	**39·7**	**38·4**	**39·2**	**39·6**	**41·2**	**40·5**	**42·5**	**40·6**	**43·8**	**39·5**
7	1896-1900	39·8	40·0	41·1	41·1	41·4	42·9	41·3	42·0	42·1	43·9	42·2	43·3	42·7	46·6	42·0
	1881-1900	**37·4**	**37·4**	**38·5**	**38·1**	**38·4**	**39·9**	**38·5**	**39·2**	**39·5**	**41·2**	**40·5**	**42·2**	**40·5**	**44·1**	**39·5**
8	1896-1900	39·4	38·7	40·2	41·1	40·9	42·8	40·7	40·7	41·4	43·3	41·6	43·9	42·2	46·4	41·5
	1881-1900	**38·7**	**38·1**	**38·9**	**38·6**	**38·6**	**40·2**	**38·9**	**39·7**	**39·7**	**41·2**	**41·1**	**42·5**	**40·8**	**44·3**	**39·9**
9	1896-1900	38·5	37·7	38·8	38·9	38·8	40·5	38·9	39·5	39·8	41·0	40·7	42·2	40·6	44·3	39·8
	1881-1900	**37·6**	**37·2**	**38·2**	**38·2**	**38·5**	**39·6**	**38·3**	**38·7**	**39·1**	**40·7**	**40·4**	**42·2**	**40·2**	**43·4**	**39·3**
10	1896-1900	39·1	38·9	39·7	39·3	39·4	40·9	39·6	40·5	40·5	41·2	40·9	42·3	41·1	44·3	40·4
	1881-1900	**37·2**	**37·9**	**38·7**	**38·8**	**38·8**	**40·0**	**38·8**	**39·3**	**39·3**	**40·5**	**40·4**	**41·8**	**40·3**	**43·4**	**39·6**
11	1896-1900	40·8	41·4	42·8	43·1	43·6	45·1	43·2	42·8	43·6	45·9	43·8	46·3	44·5	48·4	43·9
	1881-1900	**39·1**	**39·6**	**40·6**	**40·7**	**41·1**	**42·1**	**40·8**	**40·7**	**41·2**	**42·6**	**41·9**	**43·6**	**42·0**	**45·2**	**41·4**
12	1896-1900	38·0	38·4	40·0	40·4	40·1	41·4	40·1	40·1	40·9	41·7	41·5	42·4	41·3	45·0	40·7
	1881-1900	**39·1**	**40·0**	**40·8**	**41·0**	**41·0**	**42·0**	**41·0**	**41·0**	**41·4**	**42·6**	**42·2**	**43·3**	**42·1**	**45·0**	**41·6**
13	1896-1900	39·0	39·1	40·6	42·3	42·3	44·1	41·7	40·9	42·0	43·8	42·4	44·2	42·7	47·0	42·2
	1881-1900	**40·1**	**40·7**	**41·7**	**42·8**	**42·8**	**44·3**	**42·5**	**41·8**	**42·6**	**44·4**	**43·1**	**44·7**	**43·3**	**46·8**	**42·9**

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TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c., Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c., Districts.		
		Mean Weekly Values.														
14	1896-1900	41·9	42·4	43·1	43·6	43·7	45·0	43·6	43·5	44·1	45·3	44·9	47·3	45·0	48·1	44·3
	1881-1900	**41·8**	**42·2**	**42·5**	**43·7**	**44·1**	**45·5**	**43·6**	**43·4**	**44·0**	**45·5**	**44·4**	**45·9**	**44·6**	**47·6**	**44·1**
15	1896-1900	43·1	44·3	45·6	46·7	46·3	47·6	46·1	45·1	45·8	47·2	45·4	47·2	46·1	49·6	46·1
	1881-1900	**41·8**	**42·8**	**43·4**	**44·7**	**44·8**	**46·0**	**44·3**	**44·1**	**44·7**	**46·1**	**45·1**	**46·5**	**45·3**	**48·1**	**44·8**
16	1896-1900	43·1	43·9	44·7	45·0	45·6	46·8	45·2	45·3	46·3	47·2	46·5	48·3	46·7	49·9	46·0
	1881-1900	**43·3**	**43·9**	**44·5**	**45·5**	**45·9**	**47·1**	**45·4**	**45·3**	**45·9**	**46·9**	**46·3**	**47·6**	**46·4**	**48·8**	**45·9**
17	1896-1900	45·6	46·1	46·8	47·8	48·3	49·3	47·7	47·7	48·1	49·4	48·1	49·7	48·6	51·1	48·2
	1881-1900	**44·2**	**45·1**	**45·7**	**47·1**	**47·2**	**48·4**	**46·7**	**46·2**	**46·9**	**48·0**	**46·9**	**48·3**	**47·3**	**49·9**	**47·0**
18	1896-1900	44·4	45·4	47·2	48·4	47·9	49·6	47·7	46·3	47·8	48·8	46·8	49·1	47·8	51·2	47·8
	1881-1900	**44·8**	**46·0**	**46·6**	**48·0**	**48·2**	**49·5**	**47·7**	**47·1**	**47·9**	**48·7**	**47·8**	**49·2**	**48·1**	**50·5**	**47·9**
19	1896-1900	45·9	46·3	46·4	48·3	48·3	50·3	47·9	48·4	48·4	49·8	49·3	50·4	49·3	52·1	48·6
	1881 1900	**46·6**	**47·8**	**48·1**	**49·8**	**50·1**	**51·4**	**49·4**	**49·1**	**49·6**	**50·9**	**49·7**	**50·9**	**50·0**	**52·2**	**49·7**
20	1896-1900	47·5	47·9	48·2	50·2	50·2	52·2	49·7	50·1	50·5	52·3	50·8	52·2	51·2	53·7	50·5
	1881-1900	**46·6**	**48·0**	**48·8**	**50·8**	**50·8**	**52·6**	**50·2**	**49·6**	**50·3**	**51·6**	**50·0**	**51·5**	**50·6**	**52·9**	**50·4**
21	1896-1900	47·0	47·9	48·9	51·3	51·5	53·0	50·5	50·1	51·1	52·7	50·5	52·3	51·3	54·4	50·9
	1881-1900	**48·6**	**50·1**	**50·5**	**52·8**	**52·7**	**54·1**	**52·0**	**51·4**	**52·2**	**53·0**	**51·6**	**52·8**	**52·2**	**54·2**	**52·1**
22	1896-1900	50·6	52·1	52·1	53·4	53·4	54·9	53·2	52·9	53·3	54·5	53·4	54·6	53·7	55·9	53·5
	1881-1900	**49·6**	**51·5**	**52·4**	**54·3**	**54·1**	**55·5**	**53·6**	**52·3**	**53·5**	**54·4**	**52·9**	**54·1**	**53·4**	**55·6**	**53·5**
23	1896-1900	51·3	52·7	54·4	57·1	58·2	59·2	56·3	55·8	57·3	58·5	56·6	58·1	57·3	59·0	56·8
	1881-1900	**50·5**	**52·5**	**53·4**	**55·7**	**56·1**	**57·1**	**55·0**	**54·0**	**55·1**	**56·3**	**54·5**	**56·0**	**55·2**	**56·8**	**55·1**
24	1896-1900	54·5	55·2	55·5	57·5	57·7	58·3	56·8	56·9	57·8	57·9	56·5	58·0	57·4	58·7	57·1
	1881-1900	**51·8**	**54·2**	**54·8**	**56·0**	**56·4**	**57·4**	**55·8**	**54·9**	**55·9**	**56·7**	**55·4**	**56·6**	**55·9**	**57·5**	**55·9**
25	1896-1900	54·3	56·2	58·4	60·2	59·4	60·5	58·9	56·5	58·8	59·4	56·0	57·5	57·6	59·9	58·3
	1881-1900	**52·8**	**54·9**	**55·9**	**57·8**	**57·6**	**58·7**	**57·0**	**55·9**	**57·1**	**57·8**	**56·1**	**57·5**	**56·9**	**58·5**	**57·0**
26	1896-1900	54·3	55·6	57·1	59·3	58·9	60·1	58·2	56·6	57·9	58·9	56·6	58·6	57·7	60·0	58·0
	1881-1900	**54·2**	**56·7**	**57·9**	**60·0**	**59·8**	**60·7**	**59·0**	**57·1**	**58·4**	**59·0**	**57·4**	**58·8**	**58·1**	**60·0**	**58·6**
27	1896-1900	53·3	55·3	57·4	58·9	58·0	60·2	58·0	55·9	57·2	58·7	56·1	58·2	57·2	60·1	57·6
	1881-1900	**54·2**	**56·6**	**58·4**	**60·2**	**59·6**	**60·8**	**59·1**	**57·1**	**58·5**	**59·0**	**57·3**	**58·5**	**58·1**	**60·3**	**58·6**
28	1896-1900	56·3	58·1	59·7	61·8	62·0	63·0	60·9	58·2	60·5	62·0	58·2	60·1	59·8	63·4	60·4
	1881-1900	**54·4**	**56·8**	**58·5**	**60·4**	**59·7**	**61·1**	**59·3**	**56·9**	**58·5**	**58·3**	**57·0**	**58·3**	**57·8**	**61·0**	**58·6**

TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	Principal Wheat-producing Districts.							Principal Grazing, &c., Districts.						Channel Islands.	Means for British Islands generally.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c., Districts.		
		Mean Weekly Values.														
29	1896-1900	56·7	58·6	60·1	63·2	62·9	64·9	61·9	59·1	61·6	62·9	60·0	61·8	61·1	64·5	61·5
	1881-1900	**54·1**	**56·5**	**58·1**	**60·3**	**59·6**	**61·4**	**59·2**	**56·7**	**58·5**	**59·6**	**57·2**	**58·7**	**58·1**	**61·1**	**58·7**
30	1896-1900	55·9	58·2	61·1	63·4	62·3	64·5	61·9	58·4	60·7	62·6	58·7	60·8	60·2	64·4	61·1
	1881-1900	**54·5**	**56·6**	**58·4**	**60·4**	**59·8**	**61·5**	**59·3**	**57·2**	**58·7**	**59·9**	**57·4**	**59·1**	**58·5**	**61·4**	**58·9**
31	1896-1900	57·1	58·3	60·8	62·4	62·3	63·8	61·5	59·4	61·5	62·2	59·6	61·3	60·8	64·3	61·2
	1881-1900	**55·0**	**57·2**	**58·9**	**60·5**	**60·0**	**61·7**	**59·7**	**57·6**	**59·2**	**60·0**	**58·1**	**59·6**	**58·9**	**61·8**	**59·3**
32	1896-1900	55·3	56·1	57·6	59·2	58·6	60·9	58·5	56·9	58·6	60·3	56·9	59·2	58·4	62·8	58·5
	1881-1900	**54·7**	**56·8**	**58·2**	**60·0**	**59·3**	**61·2**	**59·1**	**57·1**	**58·7**	**59·5**	**57·4**	**59·0**	**58·3**	**61·8**	**58·7**
33	1896-1900	56·4	57·4	59·4	62·6	62·0	64·6	61·2	58·6	60·4	62·6	59·0	60·3	60·2	64·2	60·7
	1881-1900	**54·7**	**56·5**	**58·4**	**60·5**	**59·7**	**61·8**	**59·4**	**57·0**	**58·7**	**59·7**	**57·5**	**58·6**	**58·3**	**62·0**	**58·9**
34	1896-1900	56·5	57·1	58·9	60·8	60·3	62·1	59·8	58·1	60·2	60·4	58·5	59·7	59·4	63·2	59·6
	1881-1900	**54·6**	**56·4**	**57·9**	**59·7**	**58·9**	**60·9**	**58·8**	**56·7**	**58·7**	**59·4**	**57·0**	**58·4**	**58·0**	**61·7**	**58·4**
35	1896-1900	53·5	54·4	56·8	58·5	57·2	59·9	57·4	55·4	56·9	58·1	55·9	57·8	56·8	61·4	57·1
	1881-1900	**52·4**	**54·0**	**56·3**	**58·0**	**56·9**	**59·3**	**56·9**	**54·6**	**56·4**	**57·6**	**55·2**	**56·8**	**56·1**	**60·4**	**56·5**
36	1896-1900	54·6	55·5	57·5	59·8	58·5	61·1	58·5	55·9	57·7	59·0	56·4	57·5	57·3	62·4	57·9
	1881-1900	**52·9**	**54·3**	**56·0**	**57·7**	**56·8**	**59·0**	**56·8**	**54·8**	**56·5**	**57·5**	**55·4**	**56·5**	**56·1**	**60·3**	**56·5**
37	1896-1900	54·0	54·9	56·4	58·1	57·2	59·7	57·3	55·8	57·5	58·9	56·8	57·9	57·4	61·6	57·4
	1881-1900	**52·9**	**54·2**	**55·6**	**57·3**	**56·4**	**58·6**	**56·4**	**54·7**	**56·4**	**57·3**	**55·4**	**56·4**	**56·0**	**59·9**	**56·2**
38	1896-1900	50·7	51·2	54·2	56·6	54·8	57·7	54·9	52·7	54·9	56·7	53·7	56·0	54·8	59·9	54·9
	1881-1900	**50·6**	**51·7**	**53·7**	**55·9**	**54·6**	**57·2**	**54·6**	**52·6**	**54·6**	**56·1**	**53·5**	**54·9**	**54·3**	**59·1**	**54·5**
39	1896-1900	48·3	48·7	51·7	53·4	51·8	55·1	52·1	50·4	52·3	54·1	51·2	53·6	52·3	57·9	52·2
	1881-1900	**48·9**	**50·0**	**52·0**	**53·1**	**52·2**	**54·8**	**52·4**	**51·2**	**52·8**	**54·1**	**51·7**	**53·3**	**52·6**	**57·4**	**52·5**
40	1896-1900	49·2	49·4	51·1	51·6	50·1	53·6	51·2	50·8	51·7	52·8	51·3	52·3	51·8	56·8	51·5
	1881-1900	**48·3**	**48·9**	**50·2**	**51·2**	**49·9**	**52·6**	**50·6**	**49·8**	**50·9**	**52·0**	**50·3**	**51·4**	**50·9**	**55·5**	**50·8**
41	1896-1900	46·2	46·5	49·3	50·6	49·1	52·2	49·5	47·7	49·9	51·7	48·2	50·4	49·6	55·3	49·6
	1881-1900	**46·3**	**46·9**	**48·6**	**49·6**	**48·4**	**50·8**	**48·9**	**48·0**	**49·4**	**50·5**	**48·1**	**49·5**	**49·1**	**54·0**	**49·0**
42	1896-1900	46·6	46·3	48·9	49·7	47·8	51·5	48·8	47·9	49·5	50·9	48·6	49·8	49·3	54·7	49·1
	1881-1900	**45·9**	**46·2**	**47·6**	**48·2**	**47·1**	**49·7**	**47·8**	**47·4**	**48·4**	**49·8**	**48·0**	**49·3**	**48·6**	**53·1**	**48·2**
43	1896-1900	45·2	44·7	47·4	48·1	47·4	50·6	47·6	46·9	48·4	50·8	47·8	49·3	48·6	54·1	48·1
	1881-1900	**43·8**	**43·7**	**45·9**	**46·6**	**45·7**	**48·3**	**46·0**	**45·3**	**46·8**	**48·7**	**46·1**	**47·6**	**46·9**	**52·0**	**46·5**

TABLE SHOWING IN DEGREES FAHRENHEIT FOR EACH DISTRICT, DURING THE LUSTRUM 1896–1900 AND FOR THE WHOLE PERIOD, COMPREHENDED IN THE TWENTY YEARS 1881–1900, THE MEAN TEMPERATURE OF THE AIR FOR EACH WEEK IN THE YEAR—*continued.*

Numbers of Weeks.	Years.	0. Scotland, N.	Principal Wheat-producing Districts.						Principal Grazing, &c., Districts.						Channel Islands.	Means for British Islands generally.
			1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	Means for Wheat-producing Districts.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Grazing, &c., Districts.		
		Mean Weekly Values.														
44	1896-1900	43·7	43·8	46·3	47·3	46·5	49·4	46·7	46·2	47·4	48·7	46·4	48·2	47·4	52·8	47·1
	1881-1900	**43·5**	**43·4**	**45·5**	**46·3**	**45·7**	**48·3**	**45·8**	**45·6**	**46·6**	**48·4**	**46·1**	**47·8**	**46·9**	**51·6**	**46·4**
45	1896-1900	44·6	43·9	45·8	46·8	45·9	48·6	46·2	46·1	47·3	48·7	46·3	47·9	47·3	52·6	46·8
	1881-1900	**43·6**	**43·2**	**44·7**	**45·1**	**44·6**	**47·0**	**44·9**	**45·0**	**45·8**	**47·5**	**45·2**	**46·7**	**46·0**	**51·1**	**45·5**
46	1896-1900	43·3	43·0	44·8	44·4	43·7	46·6	44·5	45·0	45·7	46·8	45·6	46·8	46·0	50·9	45·3
	1881-1900	**42·3**	**41·4**	**43·2**	**43·5**	**42·9**	**45·6**	**43·3**	**43·4**	**44·2**	**46·3**	**43·8**	**45·6**	**44·7**	**49·7**	**44·0**
47	1896-1900	41·8	41·1	42·8	41·7	40·9	43·7	42·0	43·0	43·2	43·9	43·1	44·2	43·5	48·4	42·8
	1881-1900	**41·1**	**40·4**	**42·4**	**42·2**	**41·8**	**44·2**	**42·2**	**42·7**	**43·4**	**45·3**	**43·1**	**44·8**	**43·9**	**48·8**	**43·1**
48	1896-1900	41·8	41·1	43·4	42·0	42·0	43·3	42·4	43·3	43·7	43·8	44·0	44·9	43·9	47·2	43·2
	1881-1900	**40·7**	**40·0**	**41·5**	**40·9**	**40·9**	**42·6**	**41·2**	**42·4**	**42·6**	**44·0**	**42·8**	**44·1**	**43·2**	**47·3**	**42·2**
49	1896-1900	40·7	40·0	42·9	42·8	42·5	44·8	42·6	43·4	44·3	45·9	43·7	46·4	44·7	49·3	43·7
	1881-1900	**38·5**	**37·9**	**39·7**	**39·4**	**39·3**	**41·3**	**39·5**	**40·7**	**41·2**	**43·0**	**40·8**	**43·0**	**41·7**	**46·5**	**40·6**
50	1896-1900	41·6	40·1	41·6	41·1	41·0	43·6	41·5	42·9	43·0	44·8	43·7	45·5	44·0	48·3	42·8
	1881-1900	**39·6**	**38·0**	**39·3**	**39·4**	**39·1**	**41·7**	**39·5**	**40·8**	**40·9**	**43·4**	**41·3**	**43·1**	**41·9**	**46·7**	**40·7**
51	1896-1900	37·9	36·8	38·3	37·4	37·0	39·6	37·8	39·8	39·6	41·3	41·1	43·2	41·0	45·2	39·4
	1881-1900	**38·6**	**37·4**	**38·1**	**37·6**	**37·5**	**39·6**	**38·0**	**39·9**	**39·4**	**41·6**	**40·7**	**42·3**	**40·8**	**45·0**	**39·4**
52	1896-1900	39·1	38·3	39·9	39·8	39·8	42·4	40·0	41·3	41·3	43·8	40·4	43·1	42·0	47·1	41·0
	1881-1900	**39·0**	**37·4**	**38·0**	**37·3**	**37·4**	**39·5**	**37·9**	**40·0**	**39·3**	**41·5**	**40·3**	**42·3**	**40·7**	**45·1**	**39·3**